

Instructions to authors for the production of camera-ready papers for presentation at the CONTROLLO 2000 Conference

(50-100 words), giving a brief account of the most relevant aspects of the paper. (d) 5-10 keywords taken from the keyword list in this booklet.

Use single line spacing throughout.

Do not indent the initial lines of paragraphs. Leave a line clear between paragraphs.

Manuscripts should be prepared in the following order: *Introduction* to explain the background work, the practical applications and the nature and purpose of the paper, *Body* to contain the primary message, with clear lines of thought and validation of the techniques described, *Conclusion*, *Acknowledgements* (when appropriate), *References*, *Appendices* (when appropriate).

Section headings should be centred, in upper case letters and numbered consecutively, starting with the *Introduction*. Sub-section headings should be in upper and lower-case *italic* letters, numbered 1.1, 2.2, etc, and justified, with subsequent lines indented.

All figures and equations to be numbered with Arabic numerals (1,2.....n)

Tables: All tables should be numbered with Arabic numerals. Headings should be placed above tables, underlined and centred. Leave one line space between the heading and the table.

Only horizontal lines should be used within tables and then only to distinguish the column headings from the body of the table. No vertical lines are permitted.

Illustrations: Photographs, charts and diagrams are to be referred to as **figures**.

All photographs (half-tones) must be placed on a separate page at the end of the paper.

Line drawings and photographs should be original and not photocopies and should NOT be positioned sideways on the page.

Lettering and symbols should be clearly defined. Figures should be placed at the top or bottom of a column wherever possible, as close as possible to the first reference to them in the paper. They should be restricted to single-column width unless this would make them illegible.

Do not use coloured photographs or figures.

The figure number and caption should be typed below the illustration, left justified, with subsequent lines indented.

SUBMISSION OF PAPERS: Manuscripts must be in English. Authors whose native language is not English are strongly advised to obtain the help of a suitable colleague to ensure that the typescript is clear and grammatically correct.

Use of the first person (“I”, “we”, etc.) must be avoided.

The name of the author and page number must be written on the reverse of every sheet, using light blue pencil.

Sheets must not be folded.

Completed papers (**original**, not a photocopy) should be sent by registered mail or courier service to the address given in the accompanying letter and **must not exceed the given page limit**.

TYPING: Authors should prepare their manuscript in double column format on A4 (8.3in x 11.7in/210mm x 297mm) paper, justified if possible, using Times Roman **10pt** typeface, and must ensure that the typing area matches exactly that shown on the specimen pages i.e. 6.3in x 10in/160mm x 253mm (including a gap between columns of 0.3in/8mm). **Papers submitted with a typeface smaller than 10pt will not be included in the Congress publications.**

FORMAT: The first page should include (a) Title (10 words is the desired maximum length). (b) Each author’s name and affiliation, including present address and email or fax address of the corresponding author. (c) Abstract

Avoid hyphenation at the end of a line.

Symbols denoting vectors and matrices should be indicated in **bold type** or by a wavy underline.

Italic letters may be indicated by underlining if an italic typeface is not available.

Weights and measures should be expressed in SI units. All non-standard abbreviations or symbols must be defined when first mentioned, or a glossary must be provided.

Footnotes should be avoided if possible. Necessary footnotes should be denoted in the text by consecutive superscript numbers. The footnotes should be typed single spaced, and in smaller typesize, at the foot of the column in which they are mentioned, and separated from the main text by a line extending to just over halfway across the column (see specimen pages). Leave a one-line space above and below the footnote line.

References. In the text the surname of the author and the year of publication of the reference should be given. Two or more references by the same authors published in the same year should be differentiated by letters a,b,c etc. For references with more than two authors, text citations should be shortened to the first name followed by *et al.*

Jones (1965, 1968a, b, 1971b) discovered that ...

Recent results (Brown and Carter, 1985; Green *et al.*, 1986) indicate that ...

Only essential references which are directly referred to in the text should be included in the reference list.

References must be listed in alphabetical order at the end of the paper. References to the same author(s) should be in chronological order.

Journal references should include: author's surname and initials; initials and surnames of remaining authors; year of publication (in brackets); article title (where provided); abbreviated journal title (in *italics*), volume number and page numbers.

References to books should include: author's surname and initials; initials and surnames of remaining authors; year of publication (in brackets); the book title (in *italics*); the name of the publisher and place of publication. References to multi-author works should include after the year of publication: the chapter title (where provided); "In:" followed by book title (in *italics*); initials and name(s) of editor(s) in brackets; volume number and pages; the name of the publisher and place of publication.

References should appear in the following form:

Abell, B.C. (1945). The examination of cell nuclei. *Biochemical Journal*, **35**, 123-126.

Abell, B.C. (1956). Nucleic acid content of microsomes. *Nature*, **135**, 7-9.

Abell, B.C., R.C. Tagg and M. Push (1954). Enzyme catalyzed cellular transaminations In: *Advances in Enzymology* (A.F. Round, Ed.). Vol. 2, pp. 125-247. Academic Press, New York.

Baker, R. C. (1963a). *Microscopic Staining Techniques*. Butterworth, London.

Baker, R. C. (1963b). Methods of preparing thin-section slides. *Journal of the British Medical Association*, **34**, 184-186.

Charlie, F.H. and M.B. Routh (1966). The chemical determination of toxins. *Journal of the American Chemical Society*, **66**, 267-269.

Dog, P.R. (1958). In: *Chemical Carcinogenesis* (R.W. Brown, Ed.), Vol. 1, Chap. 7, pp.56-98. Chapman & Hall, London.

CAUTION

Papers which do not conform to the instructions given in this booklet may be impossible to read on the CD and may be omitted from the proceedings. Authors must send original camera-ready format. Photocopies of papers will be rejected. In no circumstances will disks of any part of a paper be accepted.

CHECKLIST FOR THE PREPARATION OF CAMERA-READY COPY

- Full type area used** (A4: 253mm x 160mm/
10in x 6.3in)
- Correct **column length** (A4: 253mm /10in)
- Correct **column width** (A4: 76mm/3in)
- Correct **inter-column space** 8 mm (0.3in)

- Type:** Font: Times Roman
- Size: **10 point**
(for **all** text, including headings -
only abstract and footnotes may be
smaller)

- Title:** Bold, upper-case letters
- Placing (A4: 33mm/1.3in from top of
type area)
- Less than 10 words

- Authors:** Correct placing (2 lines left clear
after Title)
- Bold, upper- and lower-case letters

- Affiliations:** Placing (2 lines clear after
Authors)
- Italics

- Abstract:** Narrow format (A4: 125 mm/5in)
- Placing (4 lines clear after Affiliations)
- Justified
- 50-100 words

- Keywords:** 5-10, from IFAC keyword list
- Place (1 line clear after abstract)
- Narrow format (A4: 125 mm/5in)
- 4 lines left clear before the start of the
main body of the text

- Paragraphs:** No indentation at start
- 1 line left clear between paragraphs

- Main headings:** Capital letters
- Numbered
- Centred
- 2 lines left clear above; 1 below

- Secondary headings:** Upper and lower case
- Numbered
- Left Justified
- Italics (or underlined)
- 2 lines left clear above; 1 below

- Tertiary headings:** Upper and lower case
- Run-on text
- Not numbered
- Italics (or underlined)
- 1 line left clear above

- Figures:** Acceptable line quality
- Legible text
- Inserted appropriately in the text
- Single-column width if possible
- Photographs (half-tones): Placed on a
separate page at the end of the paper**

- Figure captions:** Below figures
- Left justified
- Subsequent lines indented

- Tables:** Headings above
- Headings centred and underlined
- No vertical lines/boxes
- Horizontal lines only to indicate
headings

- References:** Not numbered
- Alphabetical listing
- Subsequent lines indented
- Correct usage within the text
- All** references cited in text

- Language:** Spelling checked
- Grammar and use of English checked
- Use of "I/we" eliminated

IFAC KEYWORD LIST OF CONTROL TERMINOLOGY

A				
Absolute	<i>locus</i>	<i>(open-loop)</i>	<i>estimation</i>	<i>automation</i>
<i>error criterion</i>	<i>modulation</i>	<i>recognition</i>	Bistability	<i>logic</i>
<i>measurement</i>	<i>response</i>	<i>regulators</i>	<i>devices</i>	<i>neural networks</i>
<i>stability</i>	Analog	<i>restart</i>	Bistable multivibrators	Central
AC	<i>computer control</i>	<i>sequence control</i>	Bistable trigger elements	<i>processing units</i>
<i>conductivity</i>	<i>computers</i>	<i>testing</i>	Blackboard architectures	<i>processors</i>
<i>converter machines</i>	<i>control</i>	Automation	Block diagrams	Centralised control
<i>losses wires</i>	<i>multipliers</i>	Automobile industry	Blow moulding	Centre of mass
<i>machines</i>	<i>signals/digital converters</i>	Automobiles	Bode diagrams	Centrifugal governors
<i>tacho generators</i>	Analysis of variance	Automorphism	Boilers	Certainty
Accelerometers	Analytic approximations	Automotive	Bolometers	Chaos
Access times	AND	<i>control</i>	Bond graphs	<i>theory</i>
Accuracy	<i>elements</i>	<i>emissions</i>	Boolean	Chaotic behaviour
Active	<i>operations</i>	Autonomous	<i>algebra</i>	Character recognition
<i>brake control</i>	Angular	<i>control</i>	<i>functions</i>	Characteristic
<i>compensation</i>	<i>acceleration</i>	<i>mobile robots</i>	<i>logic</i>	<i>curves</i>
<i>control</i>	<i>deviation</i>	<i>vehicles</i>	<i>operations</i>	<i>equation</i>
<i>elements</i>	<i>frequency</i>	Autoregressive models	Boundary	<i>impedance</i>
<i>filters</i>	<i>momentum</i>	Autotransducers	<i>conditions</i>	<i>polynomials</i>
<i>narrow band suspension</i>	<i>position</i>	Autotuners	<i>detection</i>	<i>roots</i>
<i>noise control</i>	<i>velocity</i>	Availability	<i>element method</i>	<i>time</i>
<i>vehicle suspension</i>	Antennas	Available time	<i>integral formulation</i>	<i>vector</i>
Actuating signals	Antilock braking systems	Average values	<i>value problem</i>	Characters
Actuators	Antiskid	Averaging control	Bounded	Charge amplifiers
Ada tasking programs	<i>control</i>		<i>disturbances</i>	Chassis
Adaptation	<i>devices</i>		<i>noise</i>	<i>control</i>
Adaptive	Ant-spin regulation	B	Bounding method	<i>dynamometers</i>
<i>algorithms</i>	Anti-wheelspin control	Backlash	Brain models	Chattering
<i>arrays</i>	Applied neural control	Backpropagation	Brakes	Cheap control
<i>control</i>	Approximate analysis	<i>algorithms</i>	Branches	Checkpointing
<i>correlation</i>	Arc resistance	Backtracking	Breadth-first searches	Checkpoints
<i>digital filters</i>	Architectures	Back-up	Breakpoints	Checksums
<i>equalization</i>	Arithmetic	<i>controllers</i>	Bridges	Check valves
<i>equalizers</i>	<i>and logic units</i>	<i>systems</i>	Brownian motion	Chemical
<i>filters</i>	Arm	Bad data	Brushless motors	<i>industry</i>
<i>systems</i>	<i>movements</i>	<i>identification</i>	Bubbles	<i>microsensors</i>
A/D converters	<i>singularities</i>	Bandpass filters	Buffer	<i>sensors</i>
Add-subtract time	ARMA	Bandwidth	<i>amplifiers</i>	<i>variables control</i>
Adders	<i>models</i>	<i>allocation</i>	<i>storage</i>	Cholesky factorization
Address	<i>parameter estimation</i>	<i>voice networks</i>	Bugs	Chopper amplifiers
<i>registers</i>	Armatures	<i>coaxial probes</i>	Business process	Circuit
<i>spaces</i>	Array	<i>electrical pulses</i>	<i>engineering</i>	<i>models</i>
Addressable location	<i>filters</i>	<i>measurements</i>	Bus multiprocess or systems	<i>performance</i>
<i>addressing</i>	<i>processors</i>	<i>minimization problems</i>	Butterworth	<i>simulation</i>
Addresses	Artificial intelligence	Bang-bang control	<i>filter</i>	<i>switched networks</i>
Adjacency	Assemblers	Bank switching	Bypass clutch control	Circuits
Adjustment	Assembly	Banyan networks		Classification
Admittance	<i>language</i>	Batch		Classifiers
Aerospace	<i>robots</i>	<i>control</i>	C	Clocking
<i>computer control</i>	Astatic control	<i>modes</i>	Cables	Clocks
<i>control</i>	Asymptotic	Baud rates	Cableway systems	Clock synchronization
<i>engineering</i>	<i>analysis</i>	Bearings only tracking	Cache	Closed-loop
<i>trajectories</i>	<i>approximation</i>	Behaviour	<i>coherence protocols</i>	<i>control</i>
Affine	<i>properties</i>	Behavioural science	<i>memories</i>	<i>controllers</i>
Agents	<i>stability</i>	Benchmark examples	Caches	<i>gain</i>
Agile	Asynchronous sequential	Bessel functions	CAD /CAM	<i>identification</i>
<i>control</i>	<i>logic</i>	Bias	<i>models</i>	<i>phase angles</i>
<i>manufacturing</i>	Attenuation	<i>winding</i>	Calculators	<i>systems</i>
Agriculture	<i>correction</i>	Bilinear	Calculus	<i>transfer functions</i>
Air	<i>observations</i>	<i>control</i>	CalibrationCAM	Closed loops
<i>pollution</i>	Attenuators	<i>systems</i>	Cameras	Closed queuing networks
<i>traffic control</i>	Attitude	<i>transformations</i>	Cancellation	CMAC
Aircraft	<i>algorithms</i>	Binary	Capacitance	CNC
<i>control</i>	<i>control</i>	<i>arrays</i>	Capacitive compensation	Coarse-fine
<i>operations</i>	<i>gyros</i>	<i>coded decimal</i>	Capacitively loaded	<i>control</i>
Alarm systems	Attractors	<i>codes</i>	<i>junctions</i>	<i>relays</i>
Algebraic	Authentication	<i>control</i>	Capacitor filters	<i>switches</i>
<i>approaches</i>	Auto correlation	<i>decision systems</i>	Capacitors	Code
<i>Riccati equations</i>	<i>functions</i>	<i>elements</i>	Capacity	<i>converters</i>
<i>selection</i>	Automata	<i>images</i>	Cartesian	Coded modulation
<i>systems theory</i>	<i>theory</i>	<i>logic systems</i>	<i>manipulators</i>	Coders
Algorithmic languages	Automated guided vehicles	<i>search trees</i>	<i>products</i>	Coding schemes
Algorithms	Automatic	<i>signals</i>	Cascade	Coefficient of stability
All pass	<i>control</i>	<i>storage elements</i>	<i>compensation</i>	<i>perturbation</i>
<i>elements</i>	<i>(closed-loop)</i>	<i>tree architectures</i>	<i>control</i>	Cognitive
<i>filters</i>	<i>engineering</i>	<i>trees</i>	<i>exciters</i>	<i>science</i>
Alternating magnetic fields	<i>(open-loop)</i>	Binding	CASE	<i>systems</i>
Ambient noise	<i>systems</i>	Bio control	Catastrophe	Coils
Amplidyne	<i>controllers</i>	Biocybernetics	<i>theory</i>	Coloured noise
Amplification	<i>frequency control</i>	Biomedical	Categorical data	Combinational
Amplifiers	<i>gain control</i>	<i>control</i>	Cathode	<i>circuits</i>
Amplifier systems	<i>operation</i>	<i>systems</i>	<i>follower</i>	<i>networks</i>
Amplifying elements	<i>people models</i>	Bionics	<i>ray tubes</i>	Combinatorial
Amplitude	<i>process control</i>	Biotechnology	CD ROM	<i>circuits</i>
<i>distortion</i>	<i>(closed-loop)</i>	Bispectrum	Cellular	<i>mathematics</i>
				<i>switching</i>

Command	Concentrators	<i>design</i>	Crosstalk	<i>theorems</i>
<i>and control systems</i>	Conceptual representations	<i>synthesis</i>	<i>interference</i>	Deconvolution
<i>control</i>	Concurrency	<i>systems</i>	Cruise control	Decoupled subsystems
<i>signals</i>	<i>control</i>	<i>technology</i>	Cryogenic temperatures	Decoupling
<i>variables</i>	Concurrent	<i>theory</i>	Cultural aspects of	<i>precompensators</i>
Communication	<i>architectures</i>	<i>units</i>	<i>automation</i>	<i>problems</i>
<i>channels</i>	<i>engineering</i>	<i>valves</i>	Current	<i>zeros</i>
<i>control applications</i>	<i>programs</i>	<i>windings</i>	<i>amplifiers</i>	Decreptitation
<i>environments</i>	<i>searches</i>	Controllability	<i>comparators</i>	Definite corrective action
<i>networks</i>	<i>systems</i>	Controlled	<i>decay</i>	Degenerative feedback
<i>protocols</i>	Condition numbers	<i>conditions</i>	<i>densities</i>	Delay
<i>systems</i>	Conditional	<i>devices</i>	<i>distributions</i>	<i>analysis</i>
Communications	<i>probability</i>	<i>systems</i>	<i>gains</i>	<i>circuits</i>
<i>systems</i>	<i>stability</i>	<i>variables</i>	<i>losses</i>	<i>compensation</i>
Compact spectra	Conductivity	Controller	<i>regulators</i>	<i>demodulation</i>
Companion matrices	Conductors	<i>modulators</i>	<i>transformers</i>	<i>elements</i>
Comparators	Configuration	<i>vehicles</i>	<i>voltage characteristics</i>	<i>estimation</i>
Comparing elements	<i>control</i>	Controllers	Cursors	<i>lines</i>
Compatibility	<i>management</i>	Controlling	Curves	<i>spread</i>
Compensating	<i>space</i>	Controlling	Cut-off	<i>modulation</i>
<i>elements</i>	<i>stability</i>	<i>machines</i>	<i>frequencies</i>	Delivery systems
<i>feedback</i>	Conformal mapping	<i>power stations</i>	<i>rates</i>	Demodulators
<i>feedforward</i>	<i>techniques</i>	Conventional control	Cybernetics	Density measurements
<i>winding</i>	Conjugate	Convergence	Cycle length	Derivative
Compensation	<i>gradient method</i>	<i>analysis</i>		<i>action</i>
Compensators	<i>points</i>	<i>factors</i>	D	<i>elements</i>
Compiler optimizations	<i>roots</i>	<i>of numerical methods</i>	D/A converters	Describing functions
Compilers	Conjunction	Proofs	Damage	Descriptor systems
Complementarity problems	Connected parallel	Convergent	Dampers	Desensitization
Complementary	<i>computers</i>	<i>control</i>	Damping	Design
<i>code</i>	Connectionism	<i>series</i>	<i>coefficients</i>	<i>systems</i>
<i>feedback</i>	Connections	Conversion	<i>constants</i>	<i>VLSI</i>
<i>formulations</i>	Connective	Converters	<i>factors</i>	Detecting elements
<i>functions</i>	<i>instability</i>	Convex	<i>ratios</i>	Detection
Complements	<i>stability</i>	<i>optimisation</i>	<i>dashpots</i>	<i>algorithms</i>
Complete controllability	Connectivity	<i>programming</i>	Data	<i>systems</i>
Complex	Consistency	<i>projections</i>	<i>acquisition</i>	Detector
<i>perturbation</i>	Consoles	Convolution	<i>compression</i>	<i>performance</i>
<i>planes</i>	Constant of inertia	<i>integral</i>	<i>compression algorithms</i>	<i>saturation</i>
<i>systems</i>	Constrained	Co-operation	<i>flow analysis</i>	Detectors
<i>variables</i>	<i>parameters</i>	Co-operative control	<i>flow diagrams</i>	Determinism
Components	<i>poles</i>	Co-ordinate	<i>flows</i>	Deterministic
Compound	Constraints	<i>time</i>	<i>fusion</i>	<i>behaviour</i>
<i>actions</i>	Constraint satisfaction	<i>transformations</i>	<i>handling systems</i>	<i>systems</i>
<i>controllers</i>	<i>problems</i>	Co-ordinates	<i>hold</i>	Device
<i>semiconductors</i>	Contact resistance	Co-ordination	<i>loggers</i>	<i>degradation</i>
Compounding	Continued fraction	Co-ordinator	<i>logging</i>	<i>simulation</i>
<i>feedback</i>	<i>expansions</i>	Coprime factorization	<i>models</i>	<i>simulators</i>
<i>feedforward</i>	Continuity	Coprocessor	<i>privacy</i>	Developing countries
Compressors	Continuous	Copy	<i>processing</i>	Diagnosis
Computational methods	<i>action</i>	Copyright	<i>processors</i>	Diagnostic
Computed torque control	<i>controllers</i>	Corner frequencies	<i>recorders</i>	<i>inference</i>
Computer	<i>control</i>	Corona discharges	<i>reduction</i>	<i>programs</i>
<i>-aided</i>	<i>path control</i>	Coronas	<i>replication</i>	<i>tests</i>
<i>circuit design</i>	<i>phase modulation</i>	Corporate strategies	<i>sets</i>	Diagonal dominance
<i>control system design</i>	<i>speech recognition</i>	Correcting	<i>storage</i>	Diagrams
<i>design</i>	<i>systems</i>	<i>conditions</i>	<i>streams</i>	Dialogue
<i>diagnosis</i>	<i>time filters</i>	<i>feedback</i>	<i>symbols</i>	Diaphragm
<i>engineering</i>	<i>time systems</i>	<i>feedforward</i>	<i>transmission</i>	<i>actuators</i>
<i>instruction</i>	<i>variables</i>	<i>ranges</i>	Database	<i>valves</i>
<i>manufacturing</i>	Continuously variable	<i>variables</i>	<i>management systems</i>	Diaphragms
<i>system design</i>	<i>transmission</i>	Correction times	<i>structures</i>	Diesel engines
<i>testing</i>	Control	Corrective actions	<i>systems</i>	Difference
<i>work</i>	<i>accuracy</i>	Correlation coefficients	<i>databases</i>	<i>amplifiers</i>
<i>applications</i>	<i>actions</i>	Cosine transforms	<i>dead band</i>	<i>analysis</i>
<i>architectures</i>	<i>algorithms</i>	Coulomb	<i>dead-beat control</i>	<i>equations</i>
<i>communication networks</i>	<i>applications</i>	<i>damping</i>	Deadlines	Differential
<i>control</i>	<i>circuits</i>	<i>friction</i>	Deadlocks	<i>analyzers</i>
<i>controlled systems</i>	<i>(closed-loop)</i>	Counters	Dead zones	<i>detection</i>
<i>experiments</i>	<i>education</i>	Coupled devices	Debugging	<i>equations</i>
<i>graphics</i>	<i>engineering</i>	<i>mode analysis</i>	Decay	<i>field rotors</i>
<i>hardware</i>	<i>applications of</i>	<i>mode theory</i>	Decentralized	<i>gain</i>
<i>-integrated</i>	<i>computers</i>	Coupling	<i>control</i>	<i>games</i>
<i>enterprises</i>	<i>equations</i>	<i>coefficients</i>	<i>systems</i>	<i>gaps</i>
<i>manufacturing</i>	<i>equipment</i>	<i>functions</i>	Decision	<i>gears</i>
<i>interfaces</i>	<i>errors</i>	<i>losses</i>	<i>block decoders</i>	<i>geometric methods</i>
<i>networks</i>	<i>functions</i>	<i>models</i>	<i>circuits</i>	<i>geometry</i>
<i>programming</i>	<i>instants</i>	Covariance	<i>feedback</i>	<i>relays</i>
<i>programs</i>	<i>laws</i>	Criterion functions	<i>equalization</i>	<i>transformers</i>
<i>recreations</i>	<i>loops</i>	Critical	<i>fusion</i>	Differentiating
<i>simulation</i>	<i>(open-loop)</i>	<i>areas</i>	<i>making</i>	<i>actions</i>
<i>software</i>	<i>nonlinearities</i>	<i>current density</i>	<i>support systems</i>	<i>elements</i>
<i>subroutines</i>	<i>oriented models</i>	<i>damping</i>	Decoders	Differentiators
<i>systems</i>	<i>panels</i>	<i>path analysis</i>	Decomposable searching	Digital
<i>tomography</i>	<i>points</i>	<i>points</i>	<i>problems</i>	<i>circuits</i>
<i>vision</i>	<i>precision</i>	<i>state models</i>	<i>decomposition</i>	<i>communications</i>
Computers	<i>ranges</i>	Cross correlation	<i>methods</i>	<i>computer applications</i>
Computing	<i>schemes</i>	<i>functions</i>	Crossover frequency	<i>computers</i>
<i>elements</i>	<i>stations</i>	Cross-phase modulation	<i>conversion techniques</i>	<i>control</i>
<i>linkages</i>	<i>system</i>		<i>converters</i>	<i>conversion techniques</i>
<i>systems</i>	<i>analysis</i>		<i>differential analysers</i>	

<i>filter processors</i>	Domain analysis	<i>throttle control</i>	<i>estimation</i>	<i>design</i>
<i>filter structures</i>	Domains	<i>vehicles</i>	<i>-free</i>	<i>stability</i>
<i>filters</i>	Dominant	Electrical	<i>probability</i>	Filtering
<i>images</i>	<i>points</i>	<i>activity</i>	<i>rate performance</i>	<i>problems</i>
<i>mobile radios</i>	<i>roots</i>	<i>appliances</i>	<i>rates</i>	<i>techniques</i>
<i>patterns</i>	Drag cup motors	<i>behaviour</i>	<i>transfer functions</i>	<i>theory</i>
<i>radios</i>	DRAM	<i>breakdown</i>	Estimation	Final
<i>signal processors</i>	Drawings	<i>characteristics</i>	<i>algorithms</i>	<i>controlling drives</i>
<i>signals</i>	Drift	<i>conduction</i>	<i>parameters</i>	<i>value theorem</i>
<i>simulation</i>	<i>rate</i>	<i>conductivity</i>	<i>theory</i>	<i>values</i>
<i>systems</i>	<i>velocity</i>	<i>contacts</i>	Estimators	Finance
VTR	Driver	<i>feedback</i>	Ethernet	Financial systems
Digitisers	<i>behaviour</i>	<i>impedance</i>	Evaluation	Finite
Diluted magnetic	<i>models</i>	<i>machines</i>	Events	<i>arc segments</i>
<i>semiconductors</i>	Drivers	<i>networks</i>	Excitation	<i>automata</i>
Dimensional	Drives	<i>properties</i>	<i>control</i>	<i>difference</i>
<i>systems</i>	Driving voltage	<i>pulses</i>	<i>windings</i>	<i>method</i>
<i>transfer functions</i>	Drum memory	<i>shocks</i>	Execution times	<i>solutions</i>
Dirac functions	Dry friction	<i>stimulation</i>	Exhaust gas recirculation	<i>differences</i>
Direct	Dual composition control	Electro-hydraulic systems	Expanded memory	<i>element</i>
<i>digital control</i>	Dual-computer systems	Electrodes	Expert systems	<i>analysis</i>
<i>-drive robots</i>	Dual-mode control	Electromagnetic	Exponential lag	<i>computation</i>
<i>dynamic problem</i>	Duality	<i>devices</i>	Exponentiality	<i>field simulation</i>
<i>Fourier reconstruction</i>	Duplex control	<i>field problems</i>	Exponentially stable	<i>method</i>
<i>frequency modulation</i>	Duty	<i>fields</i>	Extended Kalman filters	<i>solutions</i>
<i>kinematic problem</i>	<i>cycles</i>	<i>induction</i>	Extended networks	<i>elements</i>
<i>overwrite</i>	<i>factors</i>	<i>modes</i>	Extrusion	<i>fields</i>
Directed graphs	Dynamic	<i>pulses</i>		<i>state machines</i>
Discontinuities	<i>behaviour</i>	<i>scattering</i>	F	First-order systems
Discontinuous	<i>bias control</i>	<i>problems</i>	Factorization	Fixed command control
<i>action</i>	<i>channel assignment</i>	<i>signals</i>	<i>methods</i>	Flapper valves
<i>control</i>	<i>decoupling</i>	<i>transducers</i>	Factory automation	Flexible
Discrete	<i>degradation</i>	<i>transients</i>	Failure	<i>arms</i>
<i>cosine transform</i>	<i>modelling</i>	<i>transmission</i>	<i>detection</i>	<i>automation</i>
<i>digital dynamic control</i>	<i>models</i>	<i>waves</i> Electronic	<i>isolation</i>	<i>manufacturing systems</i>
<i>-event dynamic systems</i>	<i>output feedback</i>	<i>applications</i>	Farming	Flicker
<i>-event systems</i>	<i>programming</i>	<i>control units (ECU)</i>	Fast	Flight control
<i>Fourier transforms</i>	<i>properties</i>	<i>mail</i>	<i>Fourier transforms</i>	Flip-flops
<i>measurements</i>	<i>range</i>	<i>systems</i>	<i>Kalman algorithms</i>	Floating
<i>systems</i>	<i>stability</i>	Electronically-controlled	<i>parallel algorithms</i>	<i>action</i>
<i>time</i>	<i>systems</i>	<i>transmissions</i>	<i>timing methods</i>	<i>control</i>
<i>time detection</i>	tests	Electronics	Fatigue	Floppy disks
<i>-time systems</i>	Dynamics	Element analysis	Fault	Flow
Discretization	Dynamometers	Embedded systems	<i>detection</i>	<i>control</i>
Discriminant analysis		Encoders	<i>diagnosis</i>	<i>diagrams</i>
Discrimination	E	Encoding	<i>distributions</i>	<i>heterogeneity</i>
Discriminators	Ecology	End point control	<i>identification</i>	<i>measurement</i>
Disk memory	Economic	End users	<i>isolation</i>	Flowcharts
Disks	<i>design</i>	Energy	<i>location</i>	Fluctuations
Displacement	<i>systems</i>	<i>control</i>	<i>tolerance</i>	Flux
<i>cascades</i>	Economics	<i>dependence</i>	<i>-tolerant software</i>	<i>density</i>
<i>transducers</i>	Eddy	<i>distribution</i>	<i>-tolerant systems</i>	<i>space vectors</i>
Displays	<i>current</i>	<i>expenditure</i>	Feedback	Follow-up control
Distance	<i>analysis</i>	<i>management systems</i>	<i>amplifiers</i>	Food processing
<i>transformations</i>	<i>problems</i>	<i>spectra</i>	<i>capacity</i>	Force
<i>velocity lag</i>	<i>techniques</i>	<i>storage</i>	<i>channel</i>	<i>balance</i>
Distillation columns		<i>weighted acquisition</i>	<i>control</i>	<i>control</i>
Distributed		Engine	<i>methods</i>	Forced oscillation
<i>amplifiers</i>		<i>control</i>	<i>elements</i>	Forecasts
<i>artificial intelligence</i>	Education	<i>dynamometer</i>	<i>lasers</i>	Formal
<i>computer control systems</i>	Educational aids	<i>efficiency</i>	<i>linearization</i>	<i>languages</i>
<i>control</i>	Effect device power	<i>management</i>	<i>loops</i>	<i>methods</i>
<i>databases</i>	Effect devices	<i>modelling</i>	<i>signals</i>	<i>specification</i>
<i>detection</i>	Effect transistor structures	<i>systems</i>	<i>stabilization</i>	<i>verification</i>
<i>feedback</i>	Effective	Enhancement	<i>systems</i>	Formats
<i>models</i>	<i>bandwidth</i>	Enterprise	<i>variables</i>	FORTAN
<i>non-linear elements</i>	<i>channel length</i>	<i>integration</i>	Feedforward	Forward
<i>parameters</i>	<i>cut-off wavelength</i>	<i>modelling</i>	<i>compensation</i>	<i>channels</i>
<i>-parameter systems</i>	<i>deadtime</i>	Enthalpy relaxation	<i>control</i>	<i>control</i>
<i>simulation</i>	<i>mass</i>	Entropy	<i>networks</i>	<i>elements</i>
Distribution	<i>range</i>	Envelopes	Fermentation processes	<i>paths</i>
<i>automation</i>	Efficiency	Environmental	Fibre	<i>signals</i>
<i>control</i>	<i>enhancement</i>	<i>coefficients</i>	<i>amplifiers</i>	Four-wheel
<i>feeders</i>	Efficient	<i>stability</i>	<i>conduction velocity</i>	<i>drive</i>
<i>networks</i>	<i>algorithms</i>	Environment architectures	<i>connectors</i>	<i>steering</i>
<i>readout systems</i>	<i>evaluation</i>	Environmental engineering	<i>couplers</i>	Fourier
<i>systems</i>	Eigenfunction	Environments	<i>interferometers</i>	<i>analysis</i>
Distributions	Eigenmode analysis	EPROM	<i>networks</i>	<i>optics</i>
Disturbance	Eigenstructure assignment	Equalization	<i>optic</i>	<i>transforms</i>
<i>localization</i>	Eigenvalue	Equilibration	<i>gyros</i>	Fourth-generation languages
<i>parameters</i>	<i>assignment</i>	Equipment	<i>networks</i>	Fractal systems
<i>rejection</i>	<i>lower bounds</i>	Ergonomics	<i>sensing</i>	Fractals
<i>signals</i>	<i>placement</i>	Error	<i>thermometry</i>	Fractional harmonics
<i>variables</i>	<i>problems</i>	<i>analysis</i>	<i>preamplifiers</i>	Fractions
District heating	Eigenvalues	<i>control</i>	Field effect transistors	Frame synchronization
Disturbance rejection	Eigenvectors	<i>-correcting codes</i>	Field effects	Frequencies
Dither	Electric	<i>correction</i>	Fieldbus	Frequency
Dividers	<i>field sensors</i>	<i>criteria</i>	Filter	<i>changers</i>
Division	<i>fields</i>	<i>-detecting codes</i>	<i>banks</i>	<i>control</i>
Documentation	<i>machines</i>	<i>detection</i>	<i>circuits</i>	<i>conversion</i>
Documents	<i>power systems</i>			<i>-dependent</i>
				<i>characteristics</i>

<i>dispersion</i>	Generalized	<i>noise</i>	Impact	Integer programming
<i>dividers</i>	<i>connection networks</i>	<i>performance</i>	Impedance	Integral
<i>domains</i>	<i>linear systems</i>	<i>-gain</i>	<i>control</i>	<i>action</i>
<i>estimation</i>	<i>modus ponens</i>	<i>feedback</i>	Implementation	<i>factors</i>
<i>measurements</i>	<i>predictive control</i>	<i>-temperature</i>	Implication operators	<i>rates</i>
<i>modulation</i>	<i>quantizers</i>	<i>stability</i>	Implicit systems	<i>times</i>
<i>-response</i>	<i>sidelobe cancellers</i>	<i>superconductors</i>	Impulse	<i>actions</i>
<i>characteristics</i>	<i>state space</i>	Higher-order statistics	<i>conditions</i>	<i>control</i>
<i>methods</i>	Generated Lyapunov	Hilbert	<i>functions</i>	<i>controllers</i>
<i>responses</i>	<i>functions</i>	<i>spaces</i>	<i>responses</i>	<i>cross sections</i>
<i>signal analysis</i>	Generation	<i>transformers</i>	<i>signals</i>	<i>equation formulations</i>
<i>spectrum</i>	<i>lifetime</i>	Hill climbing	Impulses	<i>equations</i>
<i>stabilization</i>	Generator	H-infinity	Incomplete data	<i>formulation</i>
<i>standards</i>	Generators, electric	<i>control</i>	Index	<i>performance indices</i>
<i>tracking</i>	Genetic algorithms	<i>optimization</i>	<i>method</i>	<i>representations</i>
Friction	Geometric	Histograms	<i>profiles</i>	Integrals
Front end	<i>approaches</i>	Holding	Indexes	Integrated
Fuel control	<i>codes</i>	<i>actions</i>	Indicated angles	<i>circuit</i>
<i>injection</i>	<i>distributions</i>	<i>elements</i>	Indices	<i>antennas</i>
Full	<i>properties</i>	<i>voltages</i>	Indicial responses	<i>yields</i>
<i>graphic displays</i>	Geometrical theory	Holography	Indirectly controlled	<i>circuits</i>
<i>wave analysis</i>	Geometry	Huffman codes	<i>systems</i>	<i>injection logic</i>
<i>wave discontinuities</i>	Gimbal axes	Human	<i>variables</i>	<i>optics</i>
<i>waves</i>	Gimbals	<i>brain</i>	Induced	<i>plant control</i>
Function	Global	<i>-centered design</i>	<i>efficiency enhancement</i>	<i>vehicle highway systems</i>
<i>approximation</i>	<i>optimization</i>	<i>error</i>	<i>instability</i>	(IVHS)
<i>generators</i>	<i>positioning systems</i>	<i>factors</i>	Inductances	Integrating
Functional	<i>stability</i>	<i>-machine interface</i>	Induction	<i>amplifiers</i>
<i>blocks</i>	Gradient methods	<i>perception</i>	<i>generators</i>	<i>elements</i>
<i>chains</i>	Gradients	<i>reliability</i>	<i>machines</i>	<i>gyros</i>
Fundamental	Gradiometers	<i>supervisory control</i>	<i>motor design</i>	Integration
<i>constants</i>	Graph theoretic models	Hurwitz	<i>motors</i>	Integrators
<i>matrices</i>	Graph theory	<i>criterion</i>	Inductive pickoff	Intelligence
<i>processes</i>	Graphic	<i>polynomial</i>	Inductors	Intelligent
<i>relations</i>	<i>displays</i>	HVDC transmission lines	Industrial	<i>control</i>
Fuzzification	<i>printers</i>	Hybrid	<i>control</i>	<i>cruise control</i>
Fuzziness	Graphs	<i>computers</i>	<i>production systems</i>	<i>instrumentation</i>
Fuzzy	Green/Es function	<i>modes</i>	<i>robots</i>	<i>knowledge-based systems</i>
<i>control</i>	Group work	<i>vehicles</i>	Industry automation	<i>machines</i>
<i>data</i>	Guidance systems	Hydraulic	Inertia	<i>manufacturing systems</i>
<i>expert systems</i>	Gyromagnetic ratios	<i>accumulators</i>	<i>matrices</i>	Intensity
<i>hybrid systems</i>	Gyros	<i>actuators</i>	Inertial	<i>changes</i>
<i>inference</i>	Gyroscopes	<i>amplifiers</i>	<i>measurement units</i>	<i>modulation method</i>
<i>inputs</i>	H	<i>motors</i>	<i>navigation</i>	<i>noise</i>
<i>logic</i>	Hall	<i>relays</i>	<i>platform</i>	Interacting
<i>modelling</i>	<i>effect</i>	<i>turbines</i>	<i>reference units</i>	<i>queues</i>
<i>models</i>	<i>elements</i>	Hydroelectric systems	<i>sensors</i>	<i>service stations</i>
<i>outputs</i>	Hand-printed characters	Hydrogenerators	Inference	Interaction
<i>sensors</i>	Handling	Hydrothermal power systems	<i>engines</i>	<i>mechanisms</i>
<i>sets</i>	Hardware	Hyperstability	<i>processes</i>	Interactive
<i>-set theory</i>	Harmonic	Hypertension	Infinity control	<i>approaches</i>
<i>subsets</i>	<i>analysis</i>	Hypotheses	Information	<i>programs</i>
<i>supervision</i>	<i>balance</i>	Hysteresis	<i>analysis</i>	<i>vehicle control</i>
<i>systems</i>	<i>analysis</i>	<i>error</i>	<i>capacity</i>	<i>vehicle dynamics</i>
G	<i>techniques</i>	<i>loops</i>	<i>depth</i>	Interactor matrices
Gain	<i>drives</i>	<i>losses</i>	<i>flows</i>	Interchangeable terminals
<i>characteristics</i>	<i>functions</i>	<i>motors</i>	<i>integration</i>	Interconnected systems
<i>crossover frequency</i>	<i>generation</i>	Hydroelectric systems	<i>retrieval</i>	Interconnection
<i>cut-off frequency</i>	<i>response characteristics</i>	Hydrogenerators	<i>systems</i>	<i>matrices</i>
<i>dynamics</i>	<i>responses</i>	Hydrothermal power systems	<i>technology</i>	<i>networks</i>
<i>enhancement methods</i>	Harmonics	Hyperstability	<i>theory</i>	<i>technology</i>
<i>margins</i>	Hashing	Hypertension	Infrared detectors	Interdigital transducers
<i>modulation</i>	Headers	Hypotheses	Inherent	Interdisciplinary design
<i>regimes</i>	Heart wall motions	Hysteresis	<i>feedback</i>	Interface
<i>saturation</i>	Heat	<i>error</i>	<i>stability</i>	<i>state generation</i>
<i>suppression</i>	<i>exchangers</i>	<i>loops</i>	Inheritance	<i>states</i>
Game theory	<i>flows</i>	<i>losses</i>	Initial	Interfaces
Gap	Helicopter	<i>motors</i>	<i>characterization</i>	Interference
<i>electrical machines</i>	<i>control</i>	Image	<i>states</i>	Interleaved memory
<i>elements</i>	<i>dynamics</i>	<i>amplification</i>	Injection moulding	Interlocking
<i>measurements</i>	Heuristic	<i>analysis</i>	Inner	Intermittent signals
<i>transient torques</i>	<i>programming</i>	<i>coding</i>	<i>loops</i>	Internal
Garbage	<i>searches</i>	<i>compression</i>	<i>matrices</i>	<i>combustion engines</i>
Gas	Heuristics	<i>converters</i>	Innovation	<i>topology</i>
<i>insulated</i>	Hierarchical	<i>distortion</i>	Input	International
<i>substations</i>	<i>control</i>	<i>enhancement</i>	<i>admittance</i>	<i>stability</i>
<i>switchgear</i>	<i>decision making</i>	<i>flows</i>	<i>centralised systems</i>	<i>surveys</i>
<i>turbines</i>	<i>structures</i>	<i>intensifiers</i>	<i>decentralised systems</i>	Interplanetary spacecraft
Gauss Markov sources	<i>systems</i>	<i>interpolation</i>	<i>elements</i>	Interpolation
Gaussian	Hierarchically intelligent	<i>matching</i>	<i>equipment</i>	<i>algorithms</i>
<i>distributions</i>	<i>control</i>	<i>modelling</i>	<i>estimation</i>	<i>approximation</i>
<i>functions</i>	<i>recognition</i>	<i>motion compensation</i>	<i>impedance</i>	Interpretation trees
<i>noise</i>	<i>reconstruction</i>	<i>processing</i>	<i>matrices</i>	Interpreters
<i>processes</i>	Hierarchies	<i>registration</i>	<i>signals</i>	Intervals
General	High	<i>restoration</i>	Inputs	Intrinsic
<i>bilinear transformations</i>	<i>current density</i>	<i>segmentation</i>	Insensitive	<i>bistability</i>
<i>nonperiodic waves</i>	<i>-density</i>	<i>sensors</i>	Insensitivity	<i>modes</i>
<i>simulators</i>	<i>-efficiency</i>	<i>smoothing</i>	Instability	Invariance
	<i>-frequency</i>	Imaginary axis	Insulation	Invariant systems
	<i>diffraction</i>		Insulators	Invariants
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Nyquist array
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Inverters
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J

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JIT manufacturing
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Joint
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trajectories

Jordan
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normal form

Jump process
Junctions

K

Kalman filters
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Kinetic control system
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Largest singular value
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Losses
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-frequency dispersion
-frequency intensity
-frequency noise
-frequency scattering
-level languages
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-noise channels
-noise optimization
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LQR control method
LSI
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Machines
Machining
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powder clutches
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Magnetically insulated gaps
Magnetization
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Magnetized ferrite
Magnitude
contour

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Manipulation
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Manipulator inertia matrices

Manipulators
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Master-slave systems
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Measured
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Measurement noise
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Meta-level knowledge
Metadyne
generators

Metals
Method of weighted
residuals

Methodology
Metrics
Microcomputer
-based control
-based systems
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Microcomputers
Microprocess or control
Microprocessors
Microprogramming
Microscopes
Microstrips
Microsystems
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Minimization
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-phase systems
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redundancy
-time control
variance control

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Missiles
Mixed sensitivity problem
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Modal
control
couplers
transformation

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structure
theory

Model
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-based control
-based recognition
-following control
management
reduction
reference
adaptive control
control

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Modes
Modulation
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method

Moments
of inertia

Monitored control systems
Monitoring
elements
feedback
loops

Monitors
Monopolar
Monostable
multivibrators
trigger elements

Monotone systems
Monotonicity
Monte Carlo
calculation
method
simulation

Motion
estimation
parameters

Motor
control
elements
patterns
units

Motors

Mouse	Neutral	<i>indices</i>	Oscillation	<i>replacement</i>
Movement	<i>steer</i>	Observable	Oscillators	<i>structures</i>
Moving	<i>zone control</i>	Observers	Outages	<i>waves</i>
<i>average models</i>	<i>zones</i>	Obstacle	Outer	Permalloy
<i>objects</i>	Nichols	<i>avoidance</i>	<i>gimbals</i>	<i>films</i>
Multi-access systems	<i>charts</i>	<i>detection</i>	<i>loop</i>	Permanent magnet
Multi-action controllers	<i>diagrams</i>	Obstacles	Output	<i>motors</i>
Multi-input/multi-output	Noise	Off-line	<i>axis</i>	<i>undulators</i>
<i>systems</i>	<i>analysis</i>	<i>programming</i>	<i>brushes</i>	Permanent magnets
Multicache	<i>characteristics</i>	Office automation	<i>error identification</i>	Permeability
Multichannel	<i>characterization</i>	Offset	<i>feedback</i>	Permittivity
<i>controllers</i>	<i>control</i>	<i>voltages</i>	<i>injection</i>	Permutation
Multichip	<i>levels</i>	Ohmic contacts	<i>matrices</i>	<i>algorithms</i>
Multicomputer systems	<i>power spectrum</i>	Ohms	<i>regulation</i>	Perturbation
Multiconductor	Noisy	On-line	<i>signals</i>	<i>analysis</i>
<i>systems</i>	<i>channels</i>	<i>closed loops</i>	<i>variables</i>	<i>theory</i>
<i>transmission lines</i>	<i>images</i>	<i>control</i>	<i>winding</i>	Perturbed coefficients
Multidimensional	<i>speech</i>	<i>security analysis</i>	Overall stability	Personnel qualifications
<i>digital filters</i>	Non-Gaussian processes	On-off	Overdamping	Petri-nets
<i>systems</i>	Non-interacting control	<i>actions</i>	Overflow	Pharmacokinetic data
Multilevel	Nonlinear	<i>control</i>	Overlaid	Phase
<i>codes</i>	<i>analysis</i>	<i>controllers</i>	Overlap	<i>advance</i>
<i>control</i>	<i>circuits</i>	Open	Overlapping	<i>controllers</i>
<i>controllers</i>	<i>control</i>	<i>-loop</i>	Overload	<i>network</i>
<i>structures</i>	<i>systems</i>	<i>control systems</i>	Overshoot	<i>angles</i>
<i>systems</i>	<i>distortion</i>	<i>transfer functions</i>	Oversteer	<i>calibration</i>
Multiloop control	<i>equations</i>	<i>loops</i>	Overtones	<i>centres</i>
Multimachine	<i>external cavity</i>	<i>structure mixers</i>	Overvoltages	<i>characteristics</i>
Multimedia	<i>filters</i>	Opening switches	Overwrite spectra	<i>conjugation</i>
Multiobjective optimisations	<i>gain</i>	Operability		<i>contours</i>
Multiple-criterion	<i>interfaces</i>	Operating systems		<i>correction</i>
<i>optimisation</i>	<i>mirrors</i>	Operational		<i>crossover frequency</i>
Multiplicative noise	<i>models</i>	<i>amplifiers</i>	P	<i>difference</i>
Multipliers	<i>optical interactions</i>	<i>calculus</i>	Package design	<i>distortion</i>
Multipoint	<i>Poisson equation</i>	<i>characteristics</i>	Packages	<i>epitaxy</i>
<i>networks</i>	<i>potentiometers</i>	Operations research	Packets	<i>frame analysis</i>
Multiposition controllers	<i>programming</i>	Operators	Page printers	<i>inverters</i>
Multiprocessing systems	<i>refraction</i>	Optical	Paper industry	<i>lag</i>
Multiprocess or systems	<i>refractive indices</i>	<i>amplifiers</i>	Parallel	<i>lead</i>
Multiprocessors	<i>systems</i>	<i>band gap</i>	<i>algorithms</i>	<i>-locked arrays</i>
Multiprogramming	<i>theory</i>	<i>birefringence</i>	<i>computation</i>	<i>-locked loop</i>
Multirate	Nonlinearity	<i>bistability</i>	<i>computers</i>	<i>locking</i>
Multisensor integration	Non-minimum phase	<i>character recognition</i>	<i>memories</i>	<i>locus</i>
Multispeed	<i>systems</i>	<i>communication</i>	<i>networks</i>	<i>margins</i>
<i>controllers</i>	Non-orthogonal problems	<i>constants</i>	<i>processing</i>	<i>modulation</i>
<i>floating action</i>	Non-parametric	<i>data storage</i>	<i>processors</i>	<i>noise</i>
Multistep	<i>identification</i>	<i>directional couplers</i>	<i>programs</i>	<i>-only modulation</i>
<i>avalanche chamber</i>	<i>regression</i>	<i>disks</i>	<i>transducers</i>	<i>perturbation technique</i>
<i>controllers</i>	Non-polar liquids	<i>feedback</i>	Parallelism	<i>plane</i>
Multitarget tracking	Non-sinusoidal waves	<i>fibres</i>	Parameter	<i>response</i>
Multivalued mapping	Non-stabilizable systems	<i>fibres</i>	<i>estimation</i>	<i>shift</i>
Multivariable	Non-stationary	<i>fields</i>	<i>identification</i>	<i>shifters</i>
<i>control</i>	<i>learning characteristics</i>	<i>flows</i>	<i>optimization</i>	<i>space</i>
<i>systems</i>	<i>signals</i>	<i>implementation</i>	Parameters	<i>stability</i>
<i>feedback</i>	<i>systems</i>	<i>modulation</i>	Parametric	<i>system identification</i>
<i>control</i>	Non-symmetric linear	<i>modulators</i>	<i>excitation</i>	<i>systems</i>
<i>systems</i>	<i>systems</i>	<i>nonlinearities</i>	<i>resonances</i>	<i>transition</i>
<i>polynomials</i>	NOR	<i>parametric oscillators</i>	<i>variation</i>	Phased array
<i>systems</i>	<i>elements</i>	<i>polarization bistability</i>	Parameterization	pH control
Multivariate quality control	<i>operations</i>	<i>properties</i>	Parsers	Photodiodes
Multiversion software	Normal distribution	<i>pulses</i>	Partial	Photomultipliers
Multivibrator	Norms	<i>receivers</i>	<i>differential equations</i>	Photons
	NOT elements	<i>response</i>	<i>expansions</i>	Physical models
	Notch filters	<i>solutions</i>	<i>response channels</i>	Physics
	Nozzles	<i>spectroscopy</i>	Particle size measurement	Physiological models
N	Nuclear	<i>stochastic control</i>	Particulate processing	Physiology
NAND	<i>plants</i>	<i>storage devices</i>	Passive	Pick off
<i>elements</i>	<i>power</i>	<i>switches</i>	<i>compensation</i>	PI controllers
<i>operations</i>	<i>stations</i>	<i>transducers</i>	<i>elements</i>	Picture
Nash games	<i>reactors</i>	<i>transmission</i>	<i>filters</i>	<i>elements</i>
Natural	Number systems	<i>wave breaking</i>	<i>ranging</i>	<i>processing</i>
<i>frequencies</i>	Numeric control	Optimal	<i>suspension</i>	PID
<i>languages</i>	Numerical	<i>control</i>	Passwords	<i>control</i>
<i>line widths</i>	<i>algorithms</i>	<i>estimation</i>	Path planning	<i>controllers</i>
Navigation	<i>analysis</i>	<i>experiment design</i>	Pattern	Piecewise linear
<i>systems</i>	<i>methods</i>	<i>filtering</i>	<i>generation</i>	<i>analysis</i>
Negative	<i>simulation</i>	<i>load flow</i>	<i>identification</i>	<i>controllers</i>
<i>feedback</i>	<i>solutions</i>	<i>power flow</i>	<i>recognition</i>	Pipelined architectures
<i>transconductance</i>	Nyquist	<i>priority assignment</i>	Pay-off functions	VLSI
Network	<i>diagrams</i>	<i>regulators</i>	P controllers	Pipelines
<i>analysers</i>	<i>filters</i>	<i>rejection</i>	PD controllers	Pipelining processing
<i>observability</i>	Nyquist's criterion	<i>search techniques</i>	Performance	Piston valves
<i>reliability</i>		<i>systems</i>	<i>analysis</i>	Pistons
<i>topologies</i>		<i>trajectory</i>	<i>characteristics</i>	Pitch
Networks		<i>optimality</i>	<i>drives</i>	Pitchfork bifurcation
Neural	O	<i>optimization</i>	<i>evaluation</i>	Pixels
<i>activity</i>	Object	<i>devices</i>	<i>functions</i>	Plane wave exposure
<i>control</i>	<i>modelling techniques</i>	<i>problems</i>	<i>indices</i>	Plane waves
<i>dynamics</i>	<i>-oriented programming</i>	Optimum	<i>limits</i>	Planning
<i>-network models</i>	<i>recognition</i>	Order reduction	<i>monitoring</i>	Plants
<i>nets</i>	Objects	Organizational factors	Periodic	Plantwide
<i>networks</i>	Observability	OR operations	<i>motion</i>	Plastics industry

Pneumatic	Preprocessors	<i>selection</i>	<i>inspection</i>	<i>architecture</i>
<i>relays</i>	Preset	Projects	<i>media</i>	<i>elements</i>
<i>systems</i>	Pressure	Propagation	<i>noise</i>	<i>input</i>
Point-to-point control	<i>control</i>	Proportional	<i>number generators</i>	<i>elements</i>
Pointing systems	<i>measurements</i>	<i>action factor</i>	<i>numbers</i>	<i>signals</i>
Poisson	<i>-sensitive probes</i>	<i>actions</i>	<i>perturbations</i>	<i>variables</i>
<i>arrivals</i>	<i>transducers</i>	<i>bands</i>	<i>processes</i>	<i>signals</i>
<i>processes</i>	<i>volume relationships</i>	<i>control factors</i>	<i>searches</i>	<i>variables</i>
Polar plots	<i>wire chambers</i>	<i>controllers</i>	<i>telegraph noise</i>	<i>windings</i>
Polarity	Pressurized water reactors	<i>counters</i>	<i>variables</i>	Regeneration
Polarization	Prevention	<i>gain</i>	<i>walk</i>	Regenerative feedback
<i>analysis</i>	Preventive maintenance	<i>plus derivative</i>	Range	Regions
<i>dependence</i>	Primal sketches	<i>action</i>	<i>data</i>	Register allocation
Pole	Primary	<i>controllers</i>	<i>finders</i>	Registers
<i>assignment</i>	<i>regulation</i>	<i>plus integral</i>	<i>images</i>	Registration
<i>zero assignment</i>	<i>sites</i>	<i>action</i>	<i>of disturbance</i>	Regression
Poles	Principle of superposition	<i>controllers</i>	<i>of set value</i>	<i>algorithm systems</i>
Polygons	Printed	<i>plus derivative action</i>	<i>splitting</i>	<i>analysis</i>
Polymerization	<i>antennas</i>	<i>plus derivative controllers</i>	Ranges	<i>estimates</i>
Polynomial	<i>circuit antennas</i>	Propulsion control	Ranks	<i>relationships</i>
<i>methods</i>	<i>circuits</i>	Protection	Rapid programming	Regularization
<i>models</i>	<i>dipoles</i>	Protocols	Rate	Regulating
<i>transforms</i>	Printers	Prototyping	<i>actions</i>	<i>elements</i>
Polynomials	Printing industry	Pseudo random sequences	<i>constants</i>	<i>energy</i>
Polyphase networks	Prior history	Pulp industry	<i>feedback</i>	<i>units</i>
Popov criterion	Priority	Pulse	Rational matrices	Regulation
Port fuel injection	Probabilistic	<i>generation</i>	Ratios	Regulator
Posed problems	<i>data association</i>	<i>position modulation</i>	Re-energization	<i>control</i>
Position	<i>load flows</i>	<i>radiation</i>	Reachability	<i>theory</i>
<i>accuracy</i>	<i>logic</i>	<i>response</i>	Reachable states	Regulators
<i>control</i>	<i>models</i>	<i>sequences</i>	Reactive power	Rejection
<i>errors</i>	<i>risk assessment</i>	<i>shape synthesis</i>	Reactor control	Relational databases
<i>estimation</i>	<i>simulation</i>	<i>signals</i>	<i>modeling</i>	Relative stability
<i>feedback</i>	Probabilities integration	<i>(train) functions</i>	Readouts	Relativistic
<i>location</i>	Probability	<i>trains</i>	Real	Relaxation
<i>-sensitive</i>	<i>density function</i>	<i>width</i>	<i>axis</i>	<i>analysis</i>
<i>photomultipliers</i>	<i>distribution function</i>	<i>-width modulation</i>	<i>time</i>	<i>oscillation frequency</i>
<i>velocity</i>	Probes	Pulses	<i>-time</i>	Relay control
Positioning systems	Problem solvers		<i>AI</i>	Relays
Positive	Problem-oriented languages		<i>communication</i>	Reliability
<i>columns</i>	Procedure-oriented		<i>computers</i>	<i>analysis</i>
<i>displacement pumps</i>	<i>languages</i>	Q	<i>computer systems</i>	<i>evaluation</i>
<i>feedback</i>	Process	Quadratic	<i>expert systems</i>	<i>test systems</i>
Possibility theory	<i>automation</i>	<i>control</i>	<i>languages</i>	<i>theory</i>
Postmortems	<i>computers</i>	<i>optimal regulators</i>	<i>operating systems</i>	Reliable
Potentials	<i>control</i>	<i>performance indices</i>	<i>systems</i>	Relief valves
Potentiometer pick off	<i>-control languages</i>	<i>programming</i>	<i>tasks</i>	Remote control
Potentiometers	<i>equipment</i>	<i>stability</i>	Realisation	Renewable energy systems
Power	<i>identification</i>	<i>stabilizability</i>	<i>theory</i>	Renewal processes
<i>amplifiers</i>	<i>models</i>	Quadrature	Reasoning	Reproducibility
<i>assisted control</i>	<i>parameter estimation</i>	<i>axis</i>	Receivers	Reproducible
<i>control</i>	<i>simulators</i>	<i>brushes</i>	Reception	Requirements analysis
<i>circuits</i>	Processes	<i>detection</i>	Receptors	Reserves
<i>density spectrum</i>	Processing techniques	<i>mirror filters</i>	Recognition	Reset
<i>deposition</i>	Processor	Qualitative	Recording	<i>actions</i>
<i>characterization</i>	<i>arrays</i>	<i>analysis</i>	<i>channels</i>	<i>times</i>
<i>devices</i>	<i>systems</i>	<i>control</i>	<i>codes</i>	Residue
<i>dissipation</i>	Processors	<i>simulation</i>	<i>heads</i>	<i>feedback</i>
<i>distribution</i>	Product strategy	Quality	<i>media</i>	<i>number systems</i>
<i>distribution circuits</i>	Product quality	<i>control</i>	<i>noise</i>	Residues
<i>dividers</i>	Production	<i>of work life</i>	<i>performances</i>	Resistance
<i>flow</i>	<i>control</i>	Quantity	<i>properties</i>	Resistivity
<i>generation</i>	<i>costs</i>	Quantization	<i>technology</i>	Resistors
<i>law descriptions</i>	<i>systems</i>	<i>errors</i>	Recordings	Resolution
<i>losses</i>	Productivity	<i>noise</i>	Recovery	Resolved
<i>management</i>	Products	Quantized	<i>circuits</i>	<i>gain measurements</i>
<i>spectra</i>	<i>industry</i>	<i>signals</i>	<i>times</i>	<i>reflectance</i>
<i>spectral density</i>	Profiles	<i>states</i>	Recruitment	Resolvent matrices
<i>station control</i>	Program	Quantizer design	<i>modulation</i>	Resonance
<i>supplies</i>	<i>assemblers</i>	Quantizers	Rectangles	Resonant frequencies
<i>supply voltages</i>	<i>controllers</i>	Quaternion feedback	Rectangular	Resource allocation
<i>-system</i>	<i>controlling elements</i>	Queues	<i>wave transforms</i>	Response
<i>control</i>	<i>costs</i>	Queuing	<i>waveguides</i>	<i>curves</i>
<i>stabilizers</i>	<i>diagnostics</i>	<i>network models</i>	<i>waves</i>	<i>functions</i>
<i>voltages</i>	<i>documentation</i>	<i>theory</i>	Rectifiers	<i>measurement</i>
<i>systems</i>	<i>stores</i>	R	Recursive	<i>times</i>
<i>transformers</i>	Programmable	Radial	<i>algorithms</i>	Responses
<i>transmission</i>	<i>controllers</i>	<i>base function networks</i>	<i>approaches</i>	Restricted instruction sets
<i>winding</i>	<i>logic controllers</i>	<i>pumps</i>	<i>control algorithms</i>	Return
Preamplifiers	<i>read only memory</i>	Rail traffic	<i>digital filters</i>	<i>difference ratio</i>
Precision	(PROM)	Railways	<i>estimation</i>	<i>differences</i>
<i>measurements</i>	Programmed control	RAM	<i>filters</i>	<i>signals</i>
Prediction	Programming	Ramp	<i>least squares</i>	Reversibility
<i>error methods</i>	<i>approaches</i>	<i>function response</i>	Reduced-order models	Reversible systems
<i>intervals</i>	<i>environments</i>	<i>functions</i>	Reduction	Revolutions
<i>methods</i>	<i>languages</i>	<i>input</i>	Redundancy	Riccati
<i>problems</i>	<i>support</i>	Random	<i>control</i>	<i>equations</i>
Predictive control	<i>systems</i>	<i>access memory (RAM)</i>	<i>reduction</i>	Ride
Predictor theory	<i>theory</i>	<i>drift</i>	Redundant	<i>comfort</i>
Pre-excitation	Programs	<i>fields</i>	<i>manipulators</i>	Rise time
Preprocessing	Project	<i>functions</i>	Reference	Risk
	<i>management</i>		<i>adaptive control</i>	RNA

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