

# A Bibliography of Publications of William M. Coughran

William M. Coughran  
AT&T Bell Laboratories  
600 Mountain Av., Rm. 2T-502  
Murray Hill, NJ 07974-0636  
USA

Tel: +1 908 582 6619  
FAX: ?n/a?

E-mail: wmc@research.bell-labs.com (Internet)

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## Abstract

This bibliography records publications of William M. Coughran.

## Title word cross-reference

$C_2H_4$  [CRSM73]. *IV* [CFS94].  $N_2$  [CRSM73].

/ [Boi97].

**Adaptive** [BCF91, CS90, CPS91].

**Advanced** [BDR+94]. **Algorithm** [CH81].

**Algorithms**

[BBC+90, CJ90, CGP+92b, CFS94].

**Alternate** [BCCS89].

**Alternate-Block-Factorization** [BCCS89].

**Analysis** [BCC+79, Cou77, CGR87, CJ90].

**Analyzer** [CGR83]. **Animation** [CG90c].

**Applied** [BCG94a, BCG94b]. **Approach**

[LFC90]. **Approximate** [Cou80]. **Aspects**

[BCF+86, CGR87, SCF+86]. **assessment** [Boi97]. **Augmented** [CFS94].

**based** [BGP+92, Cou97]. **Bénard**

[BCG+84, GCS82, GC84]. **BiCMOS**

[PBR+92]. **Bifurcations** [CGP92a].

**Bipolar** [PBR+92]. **Block** [BCCS89].

**Boundary** [Cou80, Cou84, Cou85].

**CAzM** [CGR83, CEK+89]. **Cell** [GCC88].

**Challenges** [SC94]. **Chaos** [GCC88].

**Characteristics** [CGP92a].

**Characterization** [PBR+92]. **Charges**

[CFG89]. **Circuit**

[BDR+94, CGR83, CGR87, CFS94, LFC90].

**Circuit-Analyzer** [CGR83]. **Circuits**

[BCF+85]. **CMOS** [CPS88]. **CO** [CRSM73].

**Collaboration** [CEK+89]. **Combined**

[BDR+94]. **Complete** [CH81].

**computation** [Cou97]. **Computational**

[BCF+86, CGR87, CPS88, CGP+92b, SC94].

**Computing** [CG89, CGP92a]. **Concerning**

[Cou77]. **Conditions** [Cou84, Cou85].

**Conference** [Boi97]. **Construct** [CH81].  
**Construction** [Cou77]. **Continuation**  
 [CPS89, CS90, CFS94]. **Convecting** [CG87].  
**Convection** [GCS82, GCC88, GC84].  
**Convective** [BPC<sup>+</sup>91]. **Coupled**  
 [BGP<sup>+</sup>92, BCG94a, BCG94b]. **Current**  
 [CGP92a]. **Current-Voltage** [CGP92a].  
**Curves** [CRSM73].

**Decomposition** [BCG94a, BCG94b].  
**Design** [CEK<sup>+</sup>89, CFS86]. **Development**  
 [CFS86]. **Device**  
 [BCF<sup>+</sup>86, BCD<sup>+</sup>89, BBC<sup>+</sup>90, BDR<sup>+</sup>94,  
 CFG89, CS90, CJ90, CPS91, CFS94, CFS86,  
 PCR<sup>+</sup>91, PBR<sup>+</sup>92, SCF<sup>+</sup>86, CPS89].  
**Device-Circuit** [BDR<sup>+</sup>94]. **Devices**  
 [BCF<sup>+</sup>85, BCPS92, BDR<sup>+</sup>94, CGP92a,  
 SC94]. **Differential** [BCCS89]. **Diffusion**  
 [BCF91]. **dimensional** [PBR<sup>+</sup>92].  
**diminishing** [CGR86]. **Discrete**  
 [Cou84, Cou85]. **Display** [CG92]. **Domain**  
 [BCG94a, BCG94b]. **Drift** [BCF91].  
**Drift-Diffusion** [BCF91]. **Dynamic**  
 [CG91].

**Editor** [CG83]. **Effects** [BCPS92].  
**Electrical** [LFC90]. **Element** [CFS94].  
**Energy** [BPC<sup>+</sup>91, CRSM73]. **enhancement**  
 [Boi97]. **Equation** [BCG<sup>+</sup>84]. **Equations**  
 [BCCS89, BCG94a, BCG94b, BCF91,  
 CRSM73, CFS94]. **Equations-of-motion**  
 [CRSM73]. **Evaluation** [BPC<sup>+</sup>91].  
**Extracting** [CFG89].

**Factorization** [BCCS89]. **Faster** [CS90].  
**Fitting** [CFG89]. **Flows** [CG87, GCC88].  
**Folds** [CGP92a]. **Formation**  
 [CG87, GCS82, GC84]. **Fully**  
 [BPC<sup>+</sup>91, BGP<sup>+</sup>92]. **Functions** [CG92].

**Generation** [CPS91]. **Gradient** [CFG89].  
**Grid** [BCF91, CPS91]. **Grove** [CG83].  
**Guide** [BCC<sup>+</sup>79].

**HBTs** [BPC<sup>+</sup>91, BGP<sup>+</sup>92]. **Hearing**  
 [CG91]. **Hierarchical** [BCPS92].  
**Hydrodynamic** [BPC<sup>+</sup>91, BGP<sup>+</sup>92].  
**Hyperbolic** [Cou80, Cou84, Cou85].

**IFIP** [Boi97]. **II** [CCLW94]. **Incorporating**  
 [CFS94]. **Inferno** [Cou97]. **Influence**  
 [BPC<sup>+</sup>91]. **Initial** [Cou80, Cou84, Cou85].  
**Initial-Boundary** [Cou80].  
**Initial-Boundary-Value** [Cou84, Cou85].  
**InP** [BGP<sup>+</sup>92]. **InP-based** [BGP<sup>+</sup>92].  
**Instability** [BCG<sup>+</sup>84]. **Integrated**  
 [PBR<sup>+</sup>92]. **Interpolating** [CH81].  
**Iteration** [CJ90]. **Iterative** [BCD<sup>+</sup>89].

**July** [Boi97].

**Kingdom** [Boi97].

**Language** [GC83]. **Languages** [CG79].  
**Large** [GCC88]. **Large-Cell** [GCC88].  
**Latchup** [CPS88]. **Library**  
 [BCC<sup>+</sup>79, CCGH80, Cou77]. **Loess** [CG91].

**Macromodeling** [CGR83]. **Mean** [GCC88].  
**Meshes** [CS90]. **Method** [CRSM73].  
**Methods** [BCD<sup>+</sup>89, CPS88, CPS89].  
**Microelectronics** [CGP<sup>+</sup>92b]. **Mixed**  
 [LFC90]. **Mixed-Mode** [LFC90]. **Mode**  
 [LFC90]. **Model** [BPC<sup>+</sup>91, BCG<sup>+</sup>84].  
**Modeling** [CS90, CG90b]. **Models** [CFS94].  
**Modular** [CJ90]. **motion** [CRSM73].

**NAPLUG** [BCC<sup>+</sup>79]. **Near**  
 [BCG<sup>+</sup>84, GCS82, GC84]. **Network**  
 [Cou97]. **Network-based** [Cou97].  
**Noncharacteristic** [Cou84, Cou85].  
**Nonequilibrium** [BCPS92]. **Nonlinear**  
 [GCS82, GC84]. **Note** [Cou77]. **Numerical**  
 [BCG<sup>+</sup>84, BCC<sup>+</sup>79, CCGH80, Cou77, CG79,  
 CG87, Boi97].

**Object** [LFC90]. **Object-Oriented**  
 [LFC90]. **Onset**

[BCG<sup>+</sup>84, GCS82, GCC88, GC84].  
**Oriented** [LFC90]. **Outer** [CJ90]. **Oxford** [Boi97].

**Parallel** [BCG94a, BCG94b]. **Part** [CJ90].  
**Partial** [BCCS89]. **Parts** [CCLW94].  
**Pattern** [CG87, GCS82, GC84]. **PDE** [BCPS92]. **Industry** [CEK<sup>+</sup>89].  
**Philosophy** [CG89]. **Pine** [GC83].  
**Polygons** [CG92]. **Potential** [CRSM73].  
**Problems** [Cou80, Cou84, Cou85].  
**Procedure** [BCCS89]. **proceedings** [Boi97]. **Process** [PBR<sup>+</sup>92]. **Program** [BCC<sup>+</sup>79, Cou77]. **Programming** [GC83].  
**Progress** [BBC<sup>+</sup>90].

**Quality** [Boi97].

**Rayleigh** [BCG<sup>+</sup>84, GCS82, GC84].  
**Rayleigh-Bénard** [BCG<sup>+</sup>84, GCS82, GC84]. **Refinement** [BCF91].

**Scientific** [CG89, CG90a, CG90c, Cou97].  
**Seeing** [CG91]. **Semiconductor** [BCD<sup>+</sup>89, BBC<sup>+</sup>90, BCPS92, BDR<sup>+</sup>94, CJ90, CGP92a, SCF<sup>+</sup>86, SC94, CPS89].  
**Semiconductors** [CCLW94]. **Shaded** [CG92]. **Sight** [CG90a]. **Silicon** [BCF<sup>+</sup>85, CG90b, PCR<sup>+</sup>91]. **Simulation** [BCF<sup>+</sup>85, BCF<sup>+</sup>86, BCD<sup>+</sup>89, BBC<sup>+</sup>90, BGP<sup>+</sup>92, BCPS92, BDR<sup>+</sup>94, CPS88, CJ90, CPS91, CFS94, LFC90, PCR<sup>+</sup>91, PBR<sup>+</sup>92, SCF<sup>+</sup>86, CGR86, CPS89]. **Simulations** [CFG89, SC94]. **Software** [CG79, CEK<sup>+</sup>89, Boi97]. **Solution** [BCG<sup>+</sup>84, Cou80]. **Some** [SCF<sup>+</sup>86]. **Sound** [CG90a, CG92]. **Space** [CG92]. **Spatial** [CS90]. **Splines** [CH81, CGR86]. **State** [CPS88]. **Steady** [CPS88]. **Steady-State** [CPS88]. **Strategy** [BCF91]. **Studies** [CG87, CG90b]. **Submicron** [PBR<sup>+</sup>92].  
**Supercomputers** [CFS86]. **Support** [CCGH80]. **Surfaces** [CG91]. **Systems**

[BCCS89].

**TC2** [Boi97]. **TC2/WG2.5** [Boi97].  
**Techniques** [CG90c]. **Technology** [CFS86, PBR<sup>+</sup>92]. **Thermal** [BGP<sup>+</sup>92].  
**Three** [CG92, PBR<sup>+</sup>92].  
**Three-dimensional** [PBR<sup>+</sup>92]. **Time** [CG92]. **Tools** [CG89]. **Transient** [BCF<sup>+</sup>85, BCF<sup>+</sup>86, CJ90]. **Transistor** [CFG89]. **Transistors** [PBR<sup>+</sup>92].  
**Transport** [BCPS92, BCG94a, BCG94b].  
**ULSI** [PCR<sup>+</sup>91, SC94]. **United** [Boi97].  
**University** [CEK<sup>+</sup>89]. **University/Industry** [CEK<sup>+</sup>89]. **User** [BCC<sup>+</sup>79].  
**Using** [BPC<sup>+</sup>91, CG92, PBR<sup>+</sup>92, CS90].

**Value** [Cou80, Cou84, Cou85]. **Variables** [CG92]. **Variation** [CGR86]. **via** [Cou97].  
**Video** [CG90a]. **VLSI** [CPS91, CFS86].  
**Voltage** [CGP92a].

**WG2.5** [Boi97]. **Working** [Boi97].

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