



THE
ART OF
ELECTRONICS

PAUL HOROWITZ
WINFIELD HILL

SECOND EDITION

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Changes in the new edition:

- Totally rewritten chapters on microcomputers and microprocessors (using the IBM PC and the 68008).
- Substantially revised chapters on digital electronics (including PLDs, and the new HC and AC logic families), op-amps and precision design (reflecting the availability of excellent FET-input op-amps), construction techniques (including CAD/CAM).
- Every table has been revised and many new ones added.
- A rewritten chapter on FETs and an all-new chapter on micropower design.
- New sections on active filter designs, switched-capacitor filters, quadrature oscillators, low-dropout regulators, switching supplies, crowbars, isolation amplifiers, SCR latchup, "ground bounce," dynamic power dissipation, optoelectronics, RS-232 interfacing, modems, memory chips, schematic capture, AM detection, battery characteristics, sensor linearization.

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