

CMOS Cookbook

The CMOS Cookbook contains all you need to know to understand and use CMOS (Complementary Metal Oxide Semiconductor) integrated circuits. Written in a cookbook format that needs very little math, this practical, user-oriented book covers all the basics for working with digital logic and many of its end applications.

Whether you're a newcomer to logic and electronics or a senior design engineer, you'll find CMOS Cookbook and its examples helpful as a self learning guide, a reference handbook, a project idea book, or a text for teaching others digital logic at the high school through university levels.

In these pages, you'll discover...

- What CMOS is, who makes it, and how the basic transistors, inverters, and logic transmission gates work.
- CMOS usage rules, power supply examples, and information on breadboards, state testing, tools, and interfacing.
- Discussions of the latest new CMOS devices and subfamilies, including the 74C, 74HC, and 74HCT series that streamline TTL and CMOS interfacing.
- An in-depth look at the astable, monostable, and bistable multivibrators, along with little known linear techniques.
- Clocked logic designs and tentative applications of JK, D, and T flip flops as used in both long and short counters.
- A helpful appendix featuring TTL and CMOS equivalents.

Don Lancaster heads Synergetics Arizona, an electronic design and consulting firm. He is the author of many best selling books and popular columns that include the TTL Cookbook and the Active Filter Cookbook.

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