

Assembly Spoken Here

Microprocessor X86

Programming

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BEWARE! The book is loaded with ALP (Assembly Language Programs). It is a comprehensive book thanks to the exhaustive work put in by the authors. It is a good book to recommend to diploma and degree engineering students of electronic and computer engineering. The book is not for novices or those without an engineering background.

Architecture of 8086 is explained in exhaustive detail in the first chapter and then there is the assembly language instruction set. There is a separate chapter dealing with the 8087 numeric coprocessor. The second section of the book contains assembly programming using C.

Surprisingly, 90 percent of the content is directed towards the 8086 and there is only one chapter (Advanced Processor) that includes 80286, 80386, 80486, Pentium in brief. In fact it should have been the other way round. The book is based on an outdated processor.

IBM PC architecture is explained in detail. There are various programs on devices for console input, console output, printer output and disk operations and device operations. Matrix operations and recursion in assembly language are featured very prominently and these topics are not reasonably covered in similar books.

The authors have used more of language than diagrams to explain various topics.

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