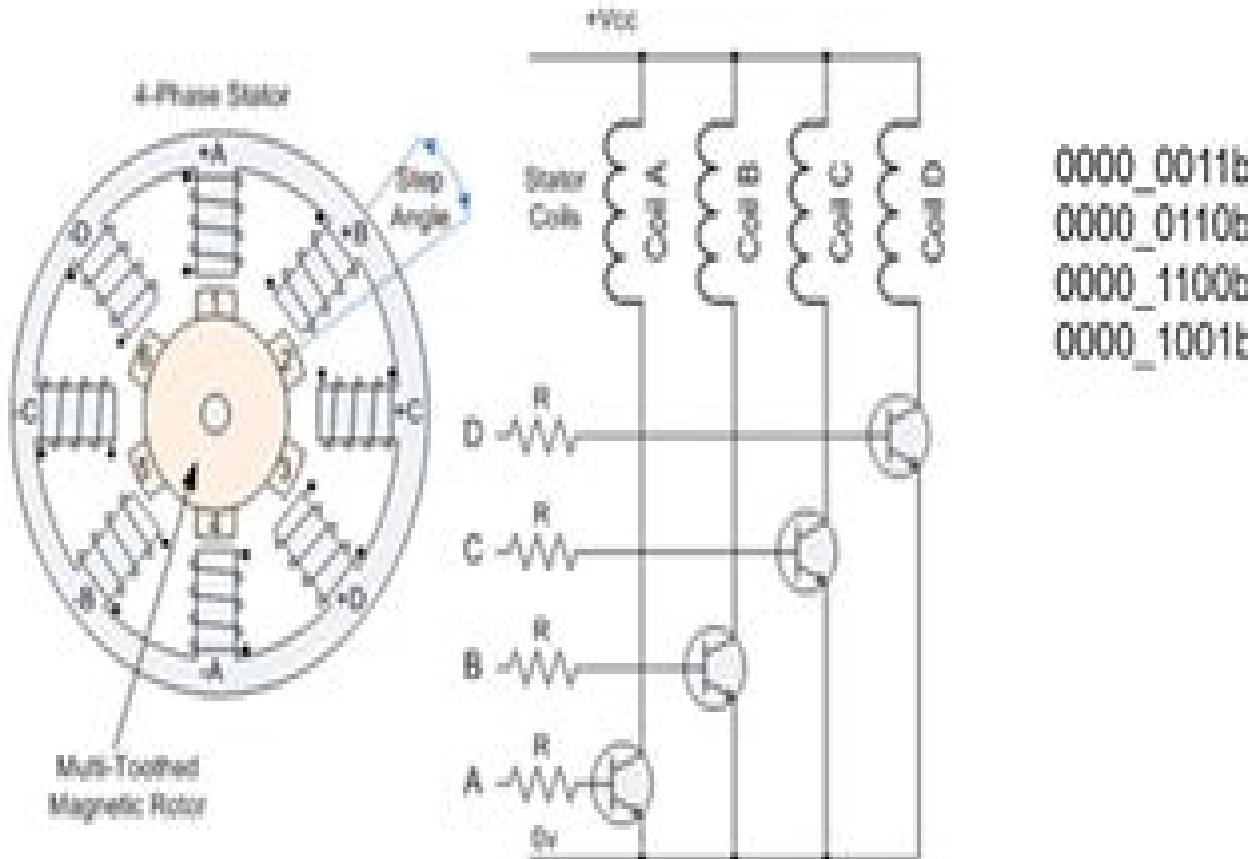


# 8086 EMU STEPPER MOTOR



**Figure 1: Variable Reluctance**

# 8086 Microprocessor Stepper Motor Control

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Umamaheswari**

## **8086 Microprocessor Stepper Motor Control:**

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Atul P. Godse,Dr. Deepali A. Godse,2021-01-01 The book is written for an undergraduate course on the 8086 microprocessor and 8051 microcontroller It provides comprehensive coverage of the hardware and software aspects of 8086 microprocessor and 8051 microcontroller The book is divided into three parts The first part focuses on 8086 microprocessor It teaches you the 8086 architecture instruction set Assembly Language Programming ALP interfacing 8086 with support chips memory and peripherals such as 8251 8253 8255 8259 8237 and 8279 It also explains the interfacing of 8086 with data converters ADC and DAC and introduces a traffic light control system The second part focuses on multiprogramming and multiprocessor configurations numeric processor 8087 I O processor 8089 and introduces features of advanced processors such as 80286 80386 80486 and Pentium processors The third part focuses on 8051 microcontroller It teaches you the 8051 architecture instruction set programming 8051 and interfacing 8051 with external memory It explains timers counters serial port interrupts of 8051 and their programming It also describes the interfacing 8051 with data converters ADC and DAC keyboards LCDs LEDs stepper motors and sensors **MICROPROCESSORS AND MICROCONTROLLERS**

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Umamaheswari,2025-10-25 Microprocessors and Microcontrollers presents a comprehensive foundation of programmable computing systems covering architecture instruction sets interfacing techniques and real time applications The book bridges theoretical concepts and practical design enabling readers to understand system level operation embedded control and modern digital system implementation across industrial and consumer domains *Control Engineering* ,1988

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