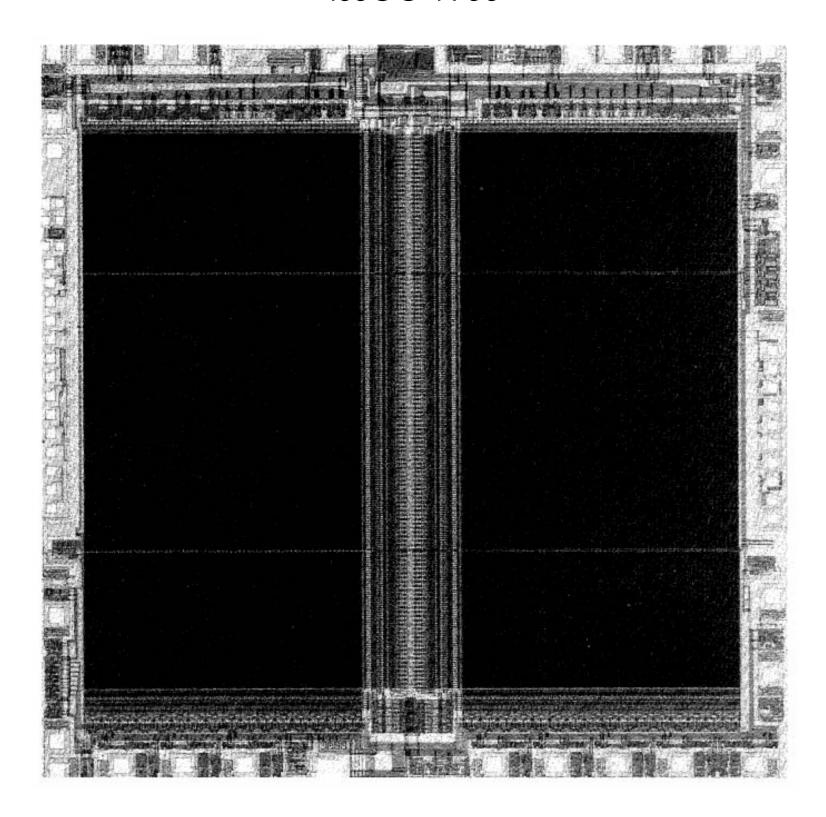
## FIRST FLASH EEPROM MEMORY

ISSCC 1985



## A 256K Flash EEPROM using Triple Polysilicon Technology

MASUOKA (TOSHIBA) AND his colleagues described a 256K flash EEPROM memory in 1985. The cells were programmed by channel hot electron injection and the erase was achieved by poly to poly field emission. A cell size of 64  $\mu$ m<sup>2</sup> and a die size of 5.7 mm x 5.8 mm was presented. This was early pioneering work for the modern flash memories.