

# Computer History

Last updated 10/12/22

These slides review several historical steps in computer evolution

# History

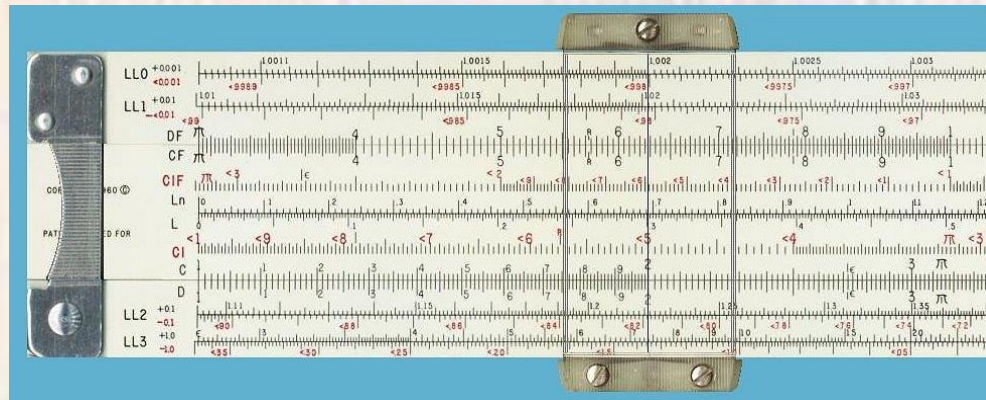
- Mechanical Devices

Abacus



# History

- Mechanical Devices
- Slide Rule
  - Developed in the 1600s
  - Widely used until 1970s
  - Adapted to a broad range of approximate computations
  - Basic arithmetic, trig, logs, ...
  - Specialized applications developed (nuclear, space, military)



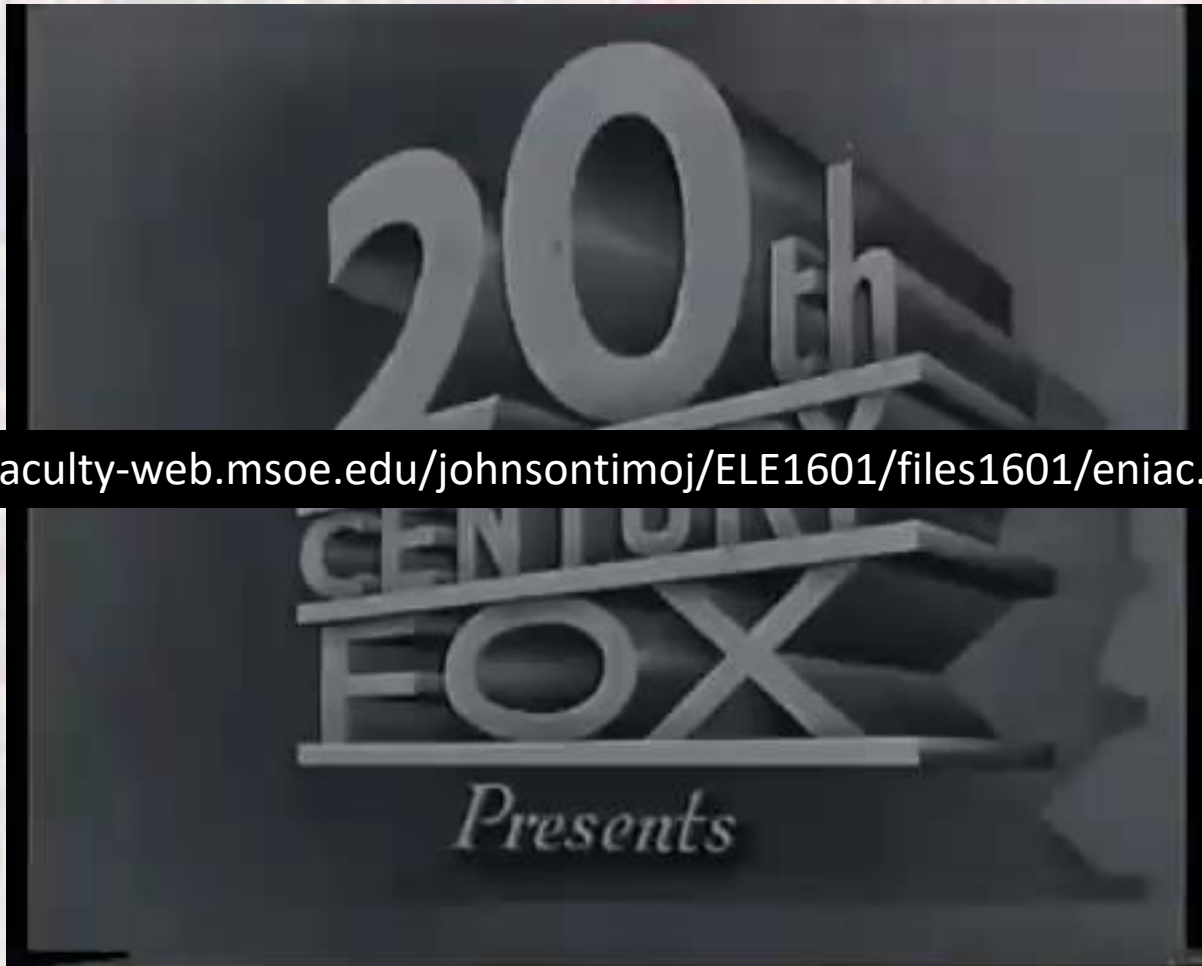
# History

- Early Computers
- Harvard MK1
  - 1937-1944
  - Electromechanical
    - 50ft shaft
  - Hand Programmed



# History

- Early Computers



<https://faculty-web.msoe.edu/johnsontimobj/ELE1601/files1601/eniac.mp4>

# History

- Mini-Computers
- PDP8, LINC, PDP11, Vax11/780, Wang2200



# History

- Personal Computers
- TRS80, Apple II, Commodore PET
  - Publically available – 1977
- IBM PC – 1981
  - Huge adoption
  - Software explodes
- Laptops – 1989
  - Mobility



# History

- Personal Computers (video)

<https://faculty-web.msoe.edu/johnsontimobj/ELE1601/files1601/trs80.mp4>



# History

- Personal Computing Devices
  - Tablets
  - Smart Phones
  - Smart Watches