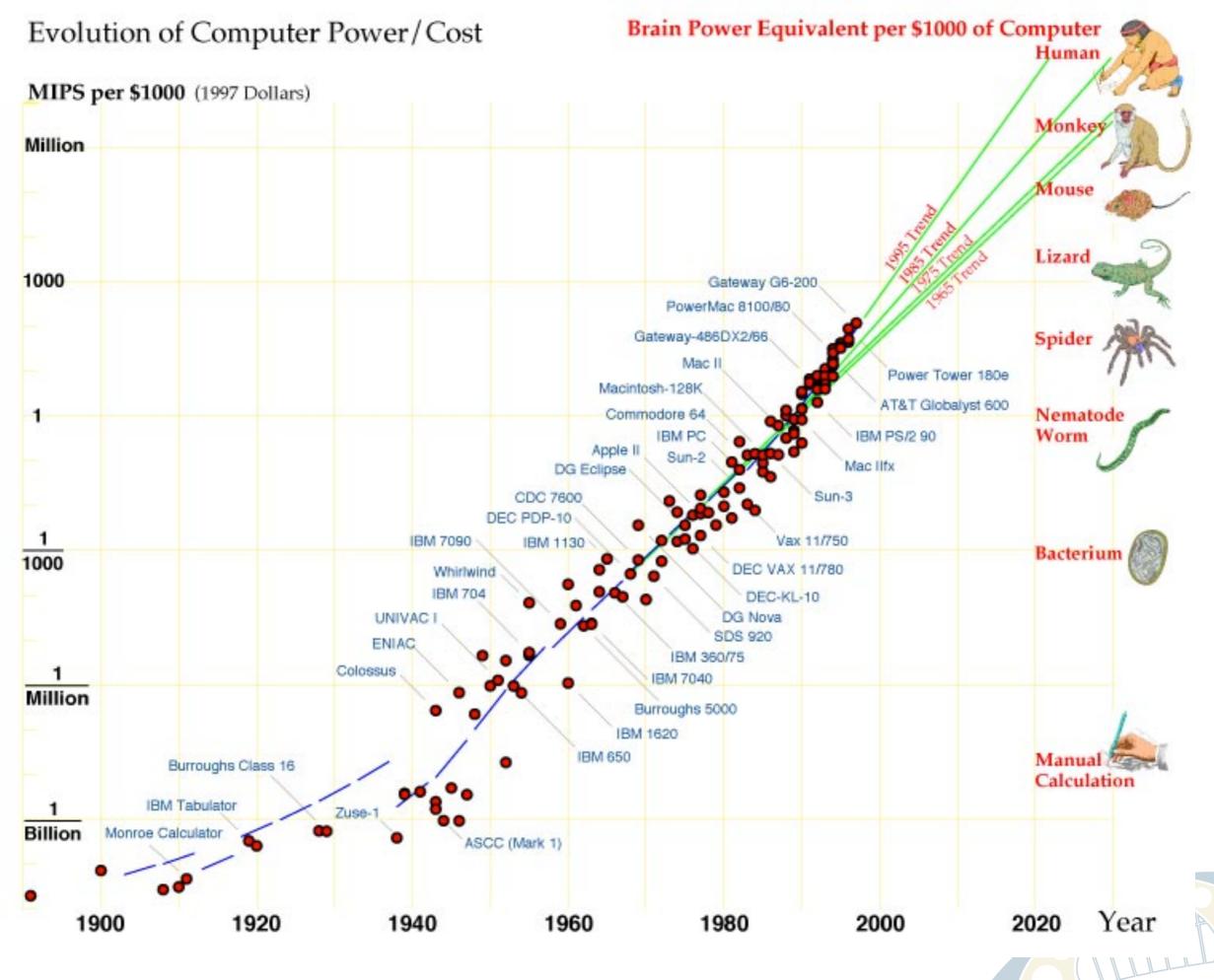
# INTRODUCTION PT 2 CS 030

Abstract Models for Concrete Problems using Java

Prof. Donald J. Patterson

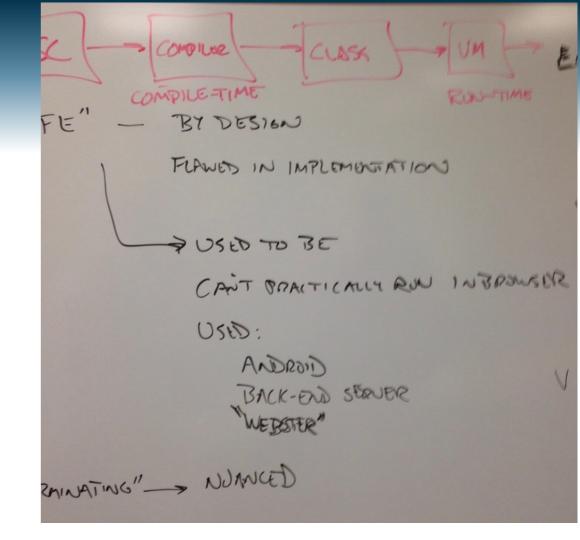


http://www.transhumanist.com/volume1/moravec.htm

- Eclipse
  - Current version is "Neon"
  - Saros is a real-time
    collaborative editor for
    Eclipse completely optional
- VitalSource
  - online viewer for textbook.
    I'm not sure how you get the code to download it

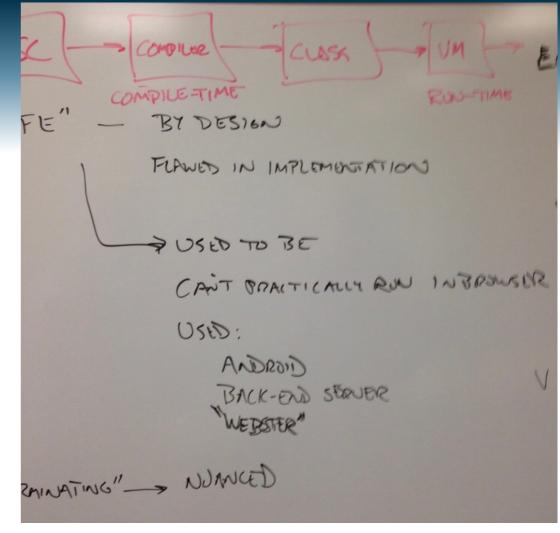
ECLIPSE IS AN. DE-INTEGRATED DEVELORMENT ENVIRONMENT MARS" J2EE SYZ SAR05

- Compile-Time Errors
  - Detected in Eclipse
  - Occur primarily from syntax errors
- Run-time Errors
  - Occur from logic errors
  - "Unit testing" is a strategy for catching these



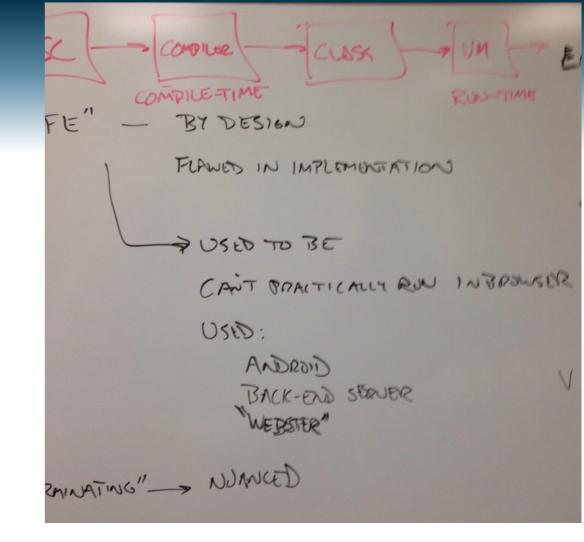


- Java is "Safe"
  - Designed to be safe
  - In practice not implemented very safely
  - Java is not used much for frontend development - mostly servers and Android now





- An algorithm is "terminating"
  - This is nuanced. There are plenty of algorithms that don't terminate that are legitimate algorithms.
  - For a basic understanding assume algorithms must terminate.





- Java downloads
  - JRE Runtime Environment
    - so you can run Java programs
    - the virtual machine
  - JDK Development Kit
- Java Editions
  - J2EE Enterprise Edition
  - J2SE Standard Edition
  - J2ME Micro Edition
- You need a JDK to program java programs -

