

1. Classification of interrupts
 - a. Examples of possible interrupts
 - b. How to classify interrupts
 - i. By timing (with the clock)
 1. Synchronous (deterministic)
 2. Asynchronous (nondeterministic)
 - ii. Source of interrupt
 1. User request
 2. Coerced
 - iii. Masking
 1. User maskable
 2. Non-maskable
 - iv. Location (or time) in instruction
 1. Within an instruction
 2. Between instructions
 - v. Result
 1. Resume
 2. Terminate

- 2. Memory overview
 - a. Terminology
 - i. Word
 - ii. Addressable units
 - iii. Unit of transfer
- 3. Characteristics of memory systems (incomplete list)
 - a. Physical type
 - b. Volatility
 - i. Non-volatile
 - ii. Volatile
 - c. Location
 - d. Capacity

- e. Units of transfer
- f. Access methods
 - i. Sequential
 - ii. Direct access
 - iii. Random access
 - iv. Associative
- g. Performance
 - i. Access time
 - ii. Cycle time
 - iii. Transfer rate
- h. Erasability

4. Memory hierarchy

- a. Forms a pyramid
- b. Key to success of the hierarchy
- c. Locality types
 - i. Temporal locality
 - ii. Spatial locality
- d. Locality is the key behind why caches work so well