



Disk Performance Example

- Given:
 - Seek time = 4ms
 - Rotation speed = 7500rpm
 - 500 sectors / track
 - Read a file consisting of 2,500 sectors
- Total time for sequential access
= time to read 1st track + time to read successive tracks
= $4 + 4 + 8 + 4 * (4 + 8) = 64$ ms
- Total time for random access
= 2500 * time to read a sector
= $2500 * (4 + 4 + 0.016) = 20,040$ ms

