

# Seek, Rotate, Transfer

Seek - move head to above specific track

1. speedup – accelerate arm to max speed
2. coast – at max speed (for long seeks)
3. slowdown – stops arm near destination
4. settle – adjusts head to actual desired track

- Seeks is slow

- settling alone can take 0.5 to 2ms
- entire seek often takes 4 - 10 ms

# Seek, **Rotate**, Transfer

Rotate disk until the head is above the right sector

- ➔ Depends on rotations per minute (RPM)  
With typical 7200 RPM it takes 8.3 ms / rotation
- Average rotation is slow (4.15 ms)