Magnetic/Hard Disk

(Track #, Surface #, Sector #) "Physical" View of Disk

Steps to perform a disk read (or write):
1) Move Read/Write (R/W) heads over correct track/cylinder — seek time
2) Wait for start of specified sector to spin to R/W head — rotational delay
3) Read (or write) specified sector as it spins under the R/W head — data transfer time
Logical View of Disk as Linear Collection of Blocks

(track #, surface #, sector #) to Linear block # mapping

<table>
<thead>
<tr>
<th>(0,0,0)</th>
<th>(0,0,1)</th>
<th>(0,0,2)</th>
<th>...</th>
</tr>
</thead>
</table>

Bits of linear block #: track # | surface # | sector #