

FCFS - Simpler algorithm, requests are handled in the order they arrive. It doesn't optimize seek time.

SSTF - More complicated algorithm, requests are handled with the shortest seek time first. This increases throughput and lowers response time, but can lead to ignoring some writes if it has higher seek times compared to all other incoming requests.

FCFS is better when everything needs to be written in a timely manner, but latency doesn't overly matter.

SSTF is better when response time and throughput is critical, but a piece of information being ignored for a while doesn't impact operations.