| | Cheetah 15K.5 | Barracuda |
|--------------|---------------|-----------|
| Capacity | 300 GB | 1 TB |
| RPM | 15,000 | 7,200 |
| Average Seek | 4 ms | 9 ms |
| Max Transfer | 125 MB/s | 105 MB/s |
| Platters | 4 | 4 |
| Cache | 16 MB | 16/32 MB |
| Connects Via | SCSI | SATA |

Beispiel:

Random -D viele 16 KB Schreibvorgänge and Cheeta

Tratation =
$$\frac{1}{15000/60}$$
 /2 = 2ms

Tratation = $\frac{1}{15000/60}$ /2 = 2ms

Thansfa = $\frac{(16KB/1024)}{125 MB/5}$ = $\frac{C_1 C_1 5 625 MB}{125 MB/5}$ = $0_1 000 12 \Gamma_5 = 0_1 125 m_5$

Time = $\frac{9}{125 MB/5}$ = $\frac{125 MB/5}{125 MB}$ = $\frac{125 MB/5}{125 MB/5}$ = $\frac{125 MB/5}{125 MB/5}$

Sequentiel -D ein 100 mB Schreibvorgange auf Cheeta

Tseek Aveage = 4mg

Trotation = 2 mg

Ttransfe = 100 MB = 0,8 = 800 ms

T110 = 4 ms + 2 ms + 800 ms = 806 ms

R1/0 = 100 MB = 124 MB/s