

The Future of Magnetic Tape



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RECORDING TECHNOLOGY, INC.

6/25/01

NASA01

1

1972



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1972

IBM begins development on its last
tape drive (3480) ever because.....
of the declining cost of disk drives



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1953

IBM 709 – 7 Track
Reel-to-Reel

1984

IBM 3480 Cartridge
200 MB



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Current Market:

~ \$6B/yr.

6% Dollar Growth

15% Unit Growth



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IDC Storage Forum

Solutions for a Content-Centric World

May 23-24, 2001

Session 3.2 The Staying Power of Tape

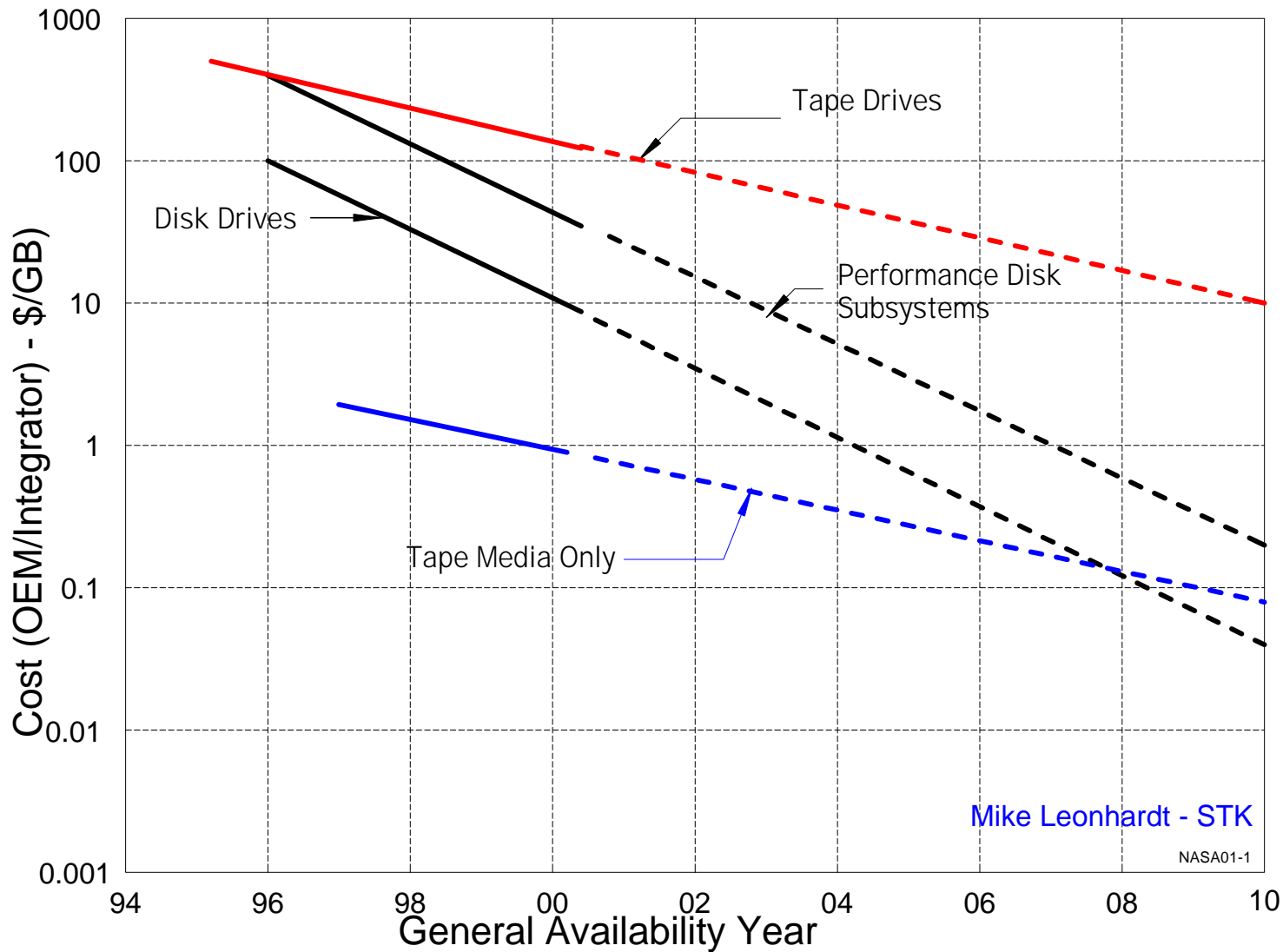
Robert Amatruda, Research Manager, Tape and Removable Storage, IDC

“The tape data storage industry posted yet another stellar year of growth - contrary to the widely held belief that tape is no longer a viable and cost-effective storage medium”



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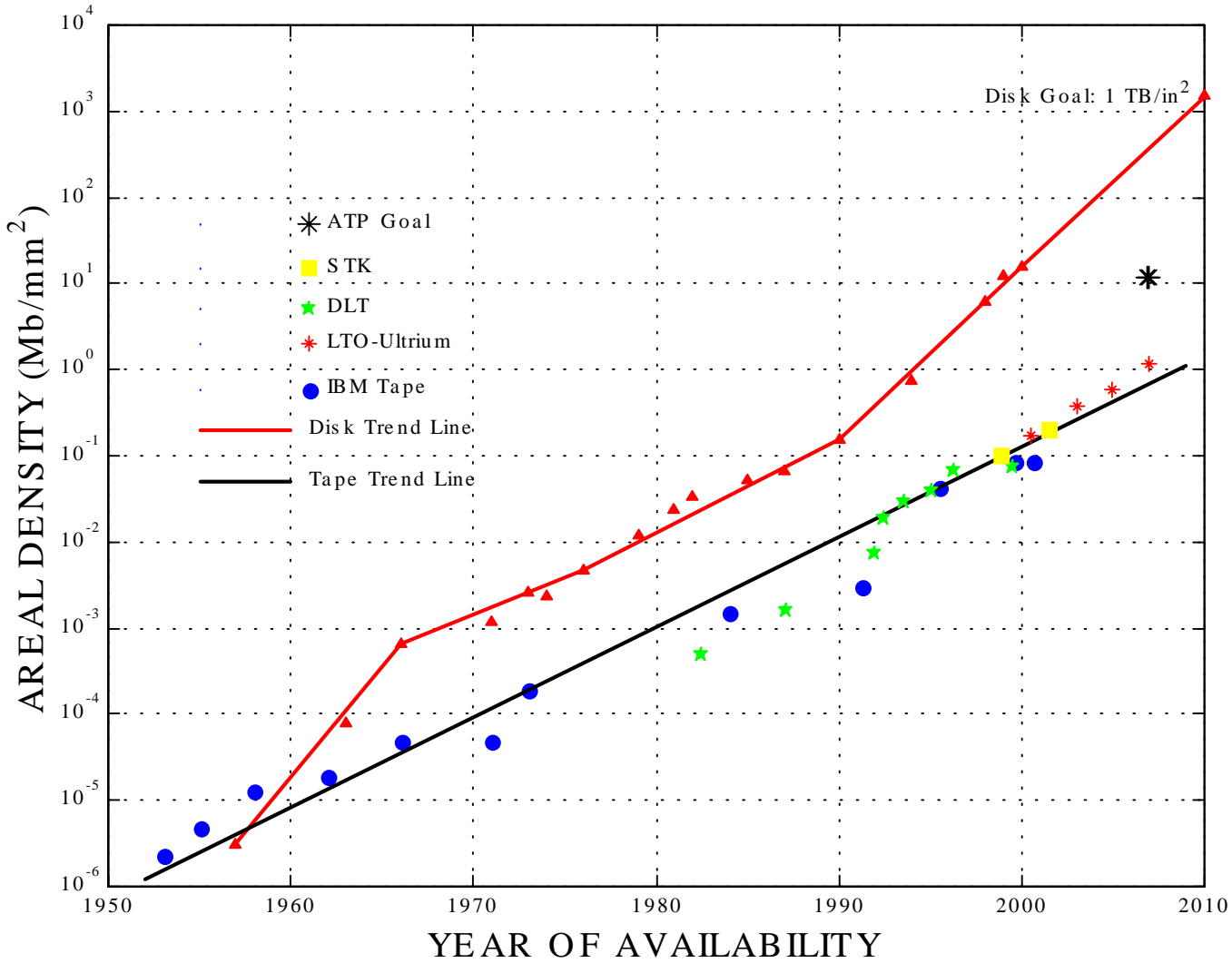
Mike Leonhardt - STK

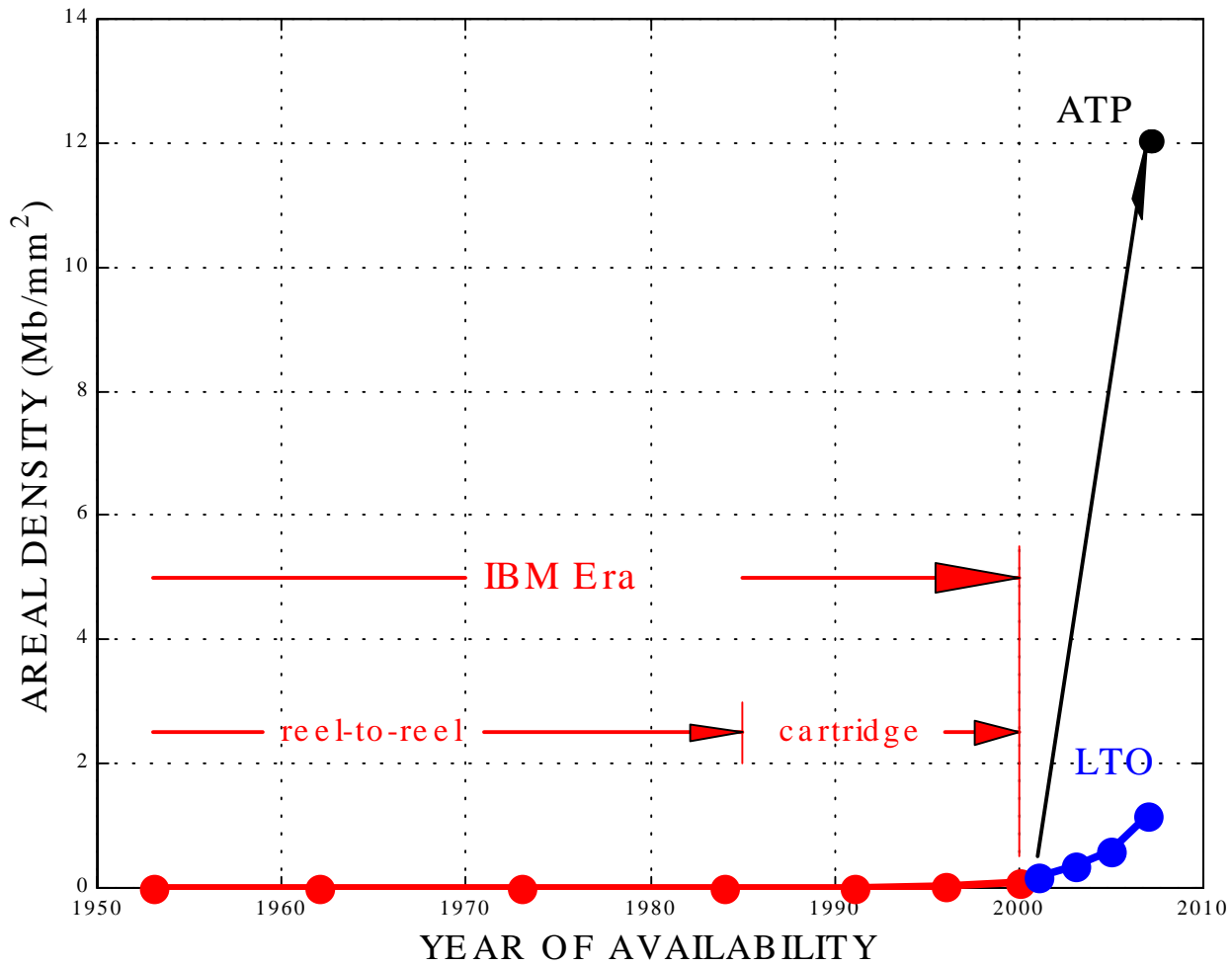
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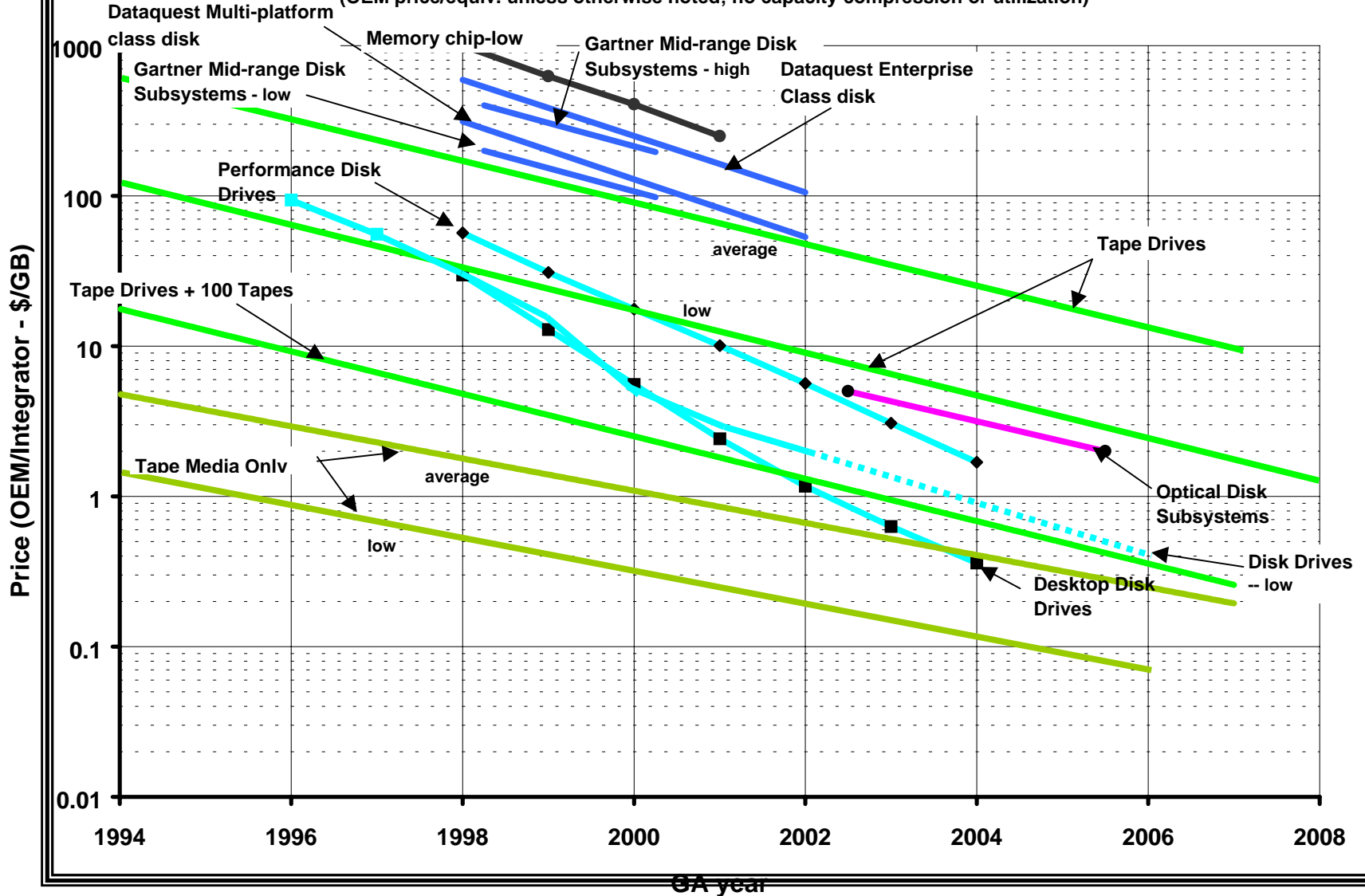


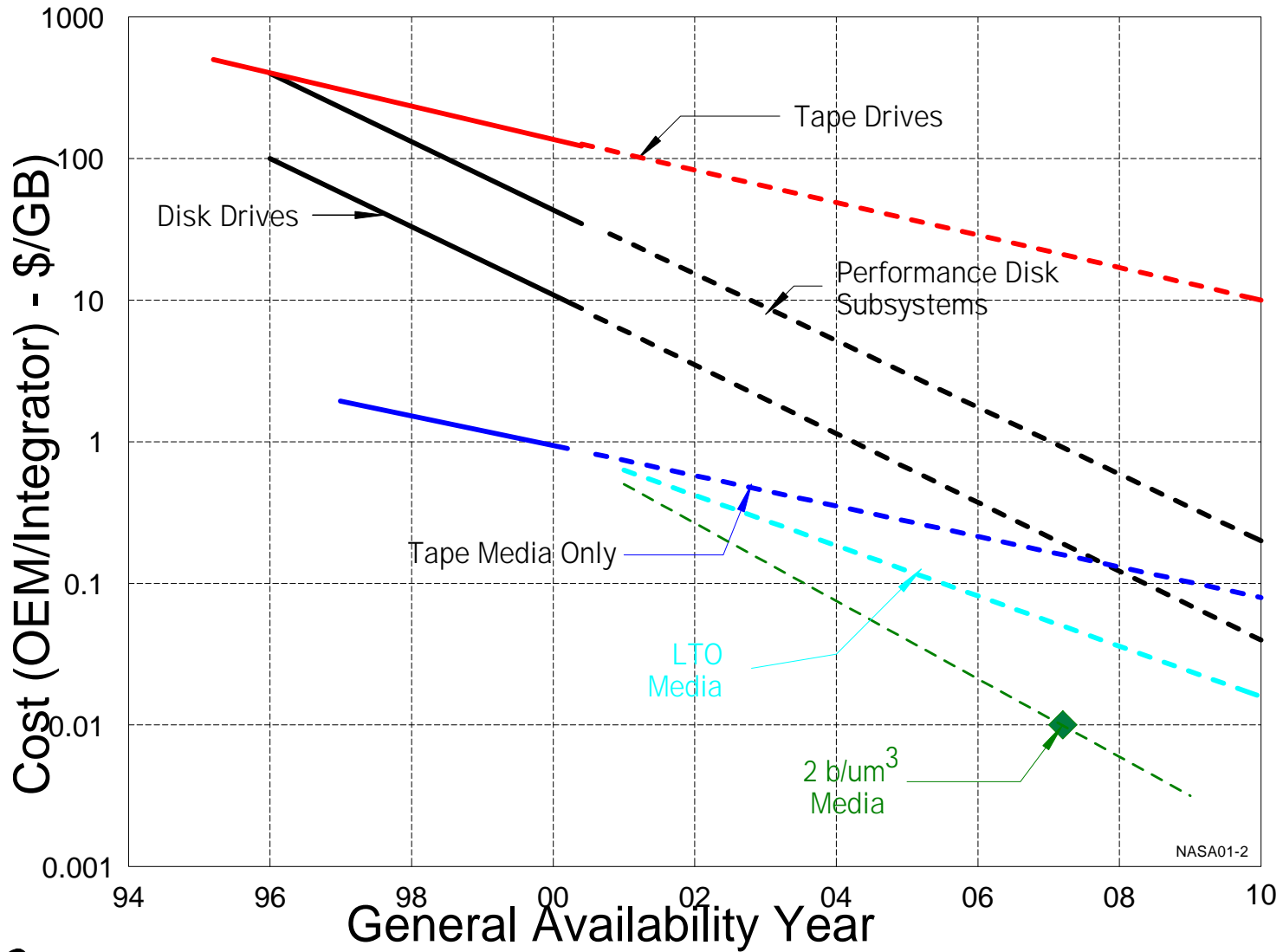
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Storage Subsystem Price Trends

(OEM price/equiv. unless otherwise noted; no capacity compression or utilization)





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Today:

DLT/LTO – 100 GB/Cartridge

5 yrs:

800 GB-1TB/Cartridge

5-7 yrs:

10 TB/cartridge (6 Gb/in²)

~2b/um³

Cartridges ~ \$100 (Single end-user)



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STORAGE

- **ON-LINE: MAGNETIC DISK**
- **NEAR-LINE:**
 - VERY LARGE: TAPE
 - LARGE/MODERATE: MAGNETIC DISK/ DVD
- **ARCHIVAL:**
 - LARGE: TAPE
 - MODERATE/SMALL: DVD



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