

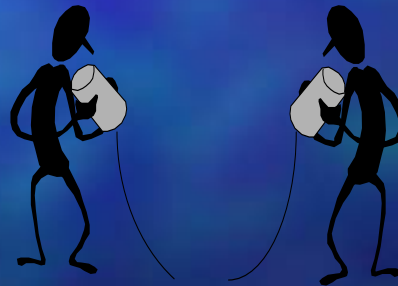
MODEM BONDING: BRINGING MODEMS TOGETHER

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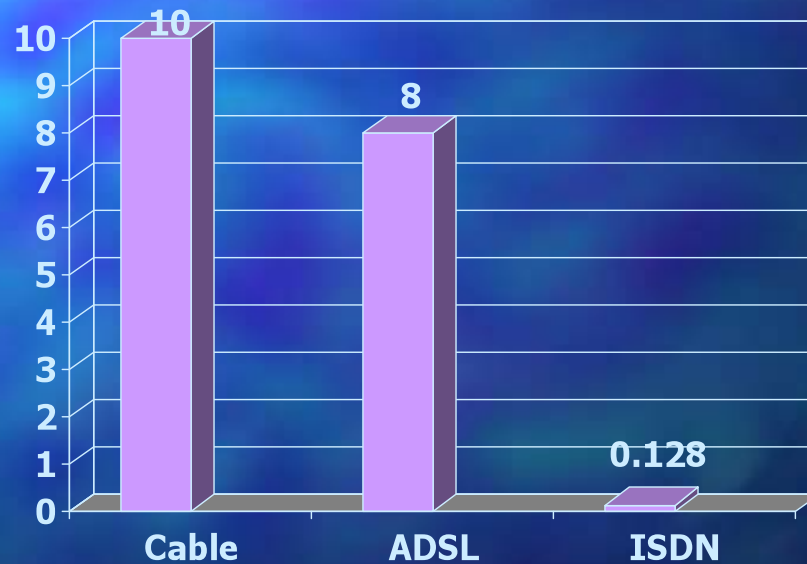
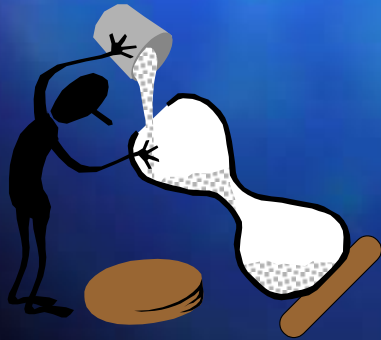
MODEM PRINCIPLES

- THE TERM: MODULATOR DEMODULATOR
- TRANSFER METHODS
 - SYNCHRONOUS
 - ASYNCHRONOUS
- DATA TRANSFER PROTOCOLS
 - ZMODEM
 - XMODEM



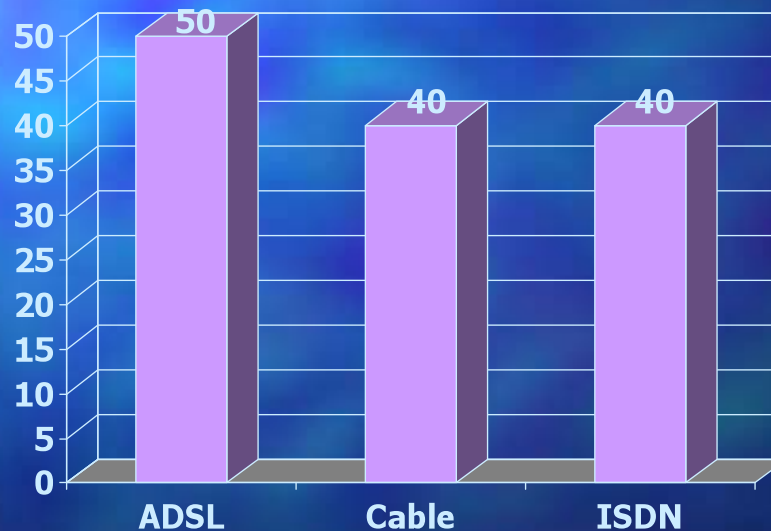
DIFFERENT TRANSFER METHODS

- ADSL, CABLE, ISDN
 - HOW DO THEY WORK



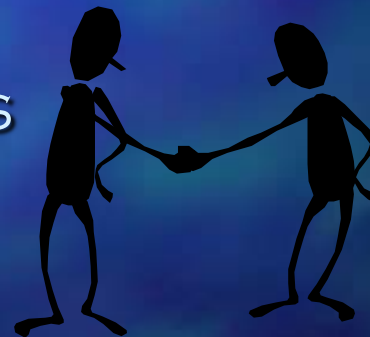
DIFFERENT TRANSFER METHODS CONTINUED

- ADSL, CABLE, ISDN
 - HOW MUCH DO THEY COST



BONDING PRINCIPLES

- BASED ON ISDN PRACTICES
- MULTIPLE PPP
 - CISCO: MULTICHASIS MULTILINK PPP
 - ASCEND: MULTICHANNEL PROTOCOL PLUS
- WHAT YOU NEED
 - MULTIPLE MODEMS
 - MULTIPLE PHONE LINES
 - GOOD ISP



BONDING TECHNOLOGIES

■ SOFTWARE

- DIAMOND MULTIMEDIA: SHOTGUN
- SYGATE: NETROCKER
- MICROSOFT'S DIAL-UP 1.2 (WIN95)

■ HARDWARE

- TRANSCEND
- BOCA RESEARCH: DYNAMIC DUO
- DIAMOND: SUPRASONIC II

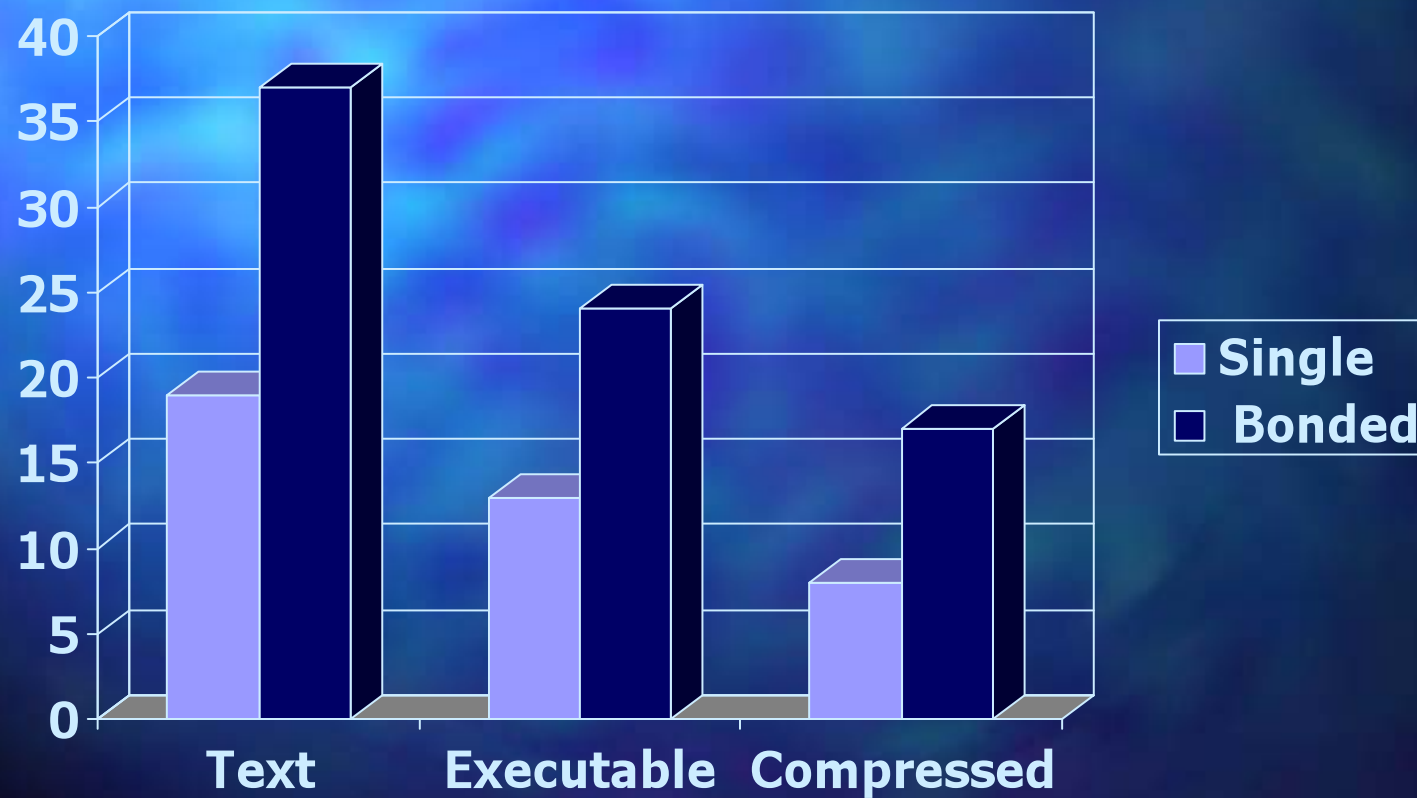


FINDINGS

- WHAT TECHNOLOGY I USED TO BOND
 - WIN95 DIAL-UP NETWORKING 1.2
 - WIN98 MULTIPLE PPP
 - 2 28.8KBPS MODEMS 2 14.4 KBPS MODEMS
- WHAT FILE TYPES I TESTED
 - TEXT, EXECUTABLE, AND FULLY COMPRESSED
- WHAT BENCHMARK UTILITY I USED
 - NETMEDIC PRO

FINDINGS CONT.

■ PERFORMANCE



THE FUTURE OF CONNECTIVITY

- BONDED ANALOG MODEMS?
 - NEW MEDIUM IS INEVITABLE
- ISDN, CABLE, OR ADSL?
 - CERTAINLY POSSIBLE

