

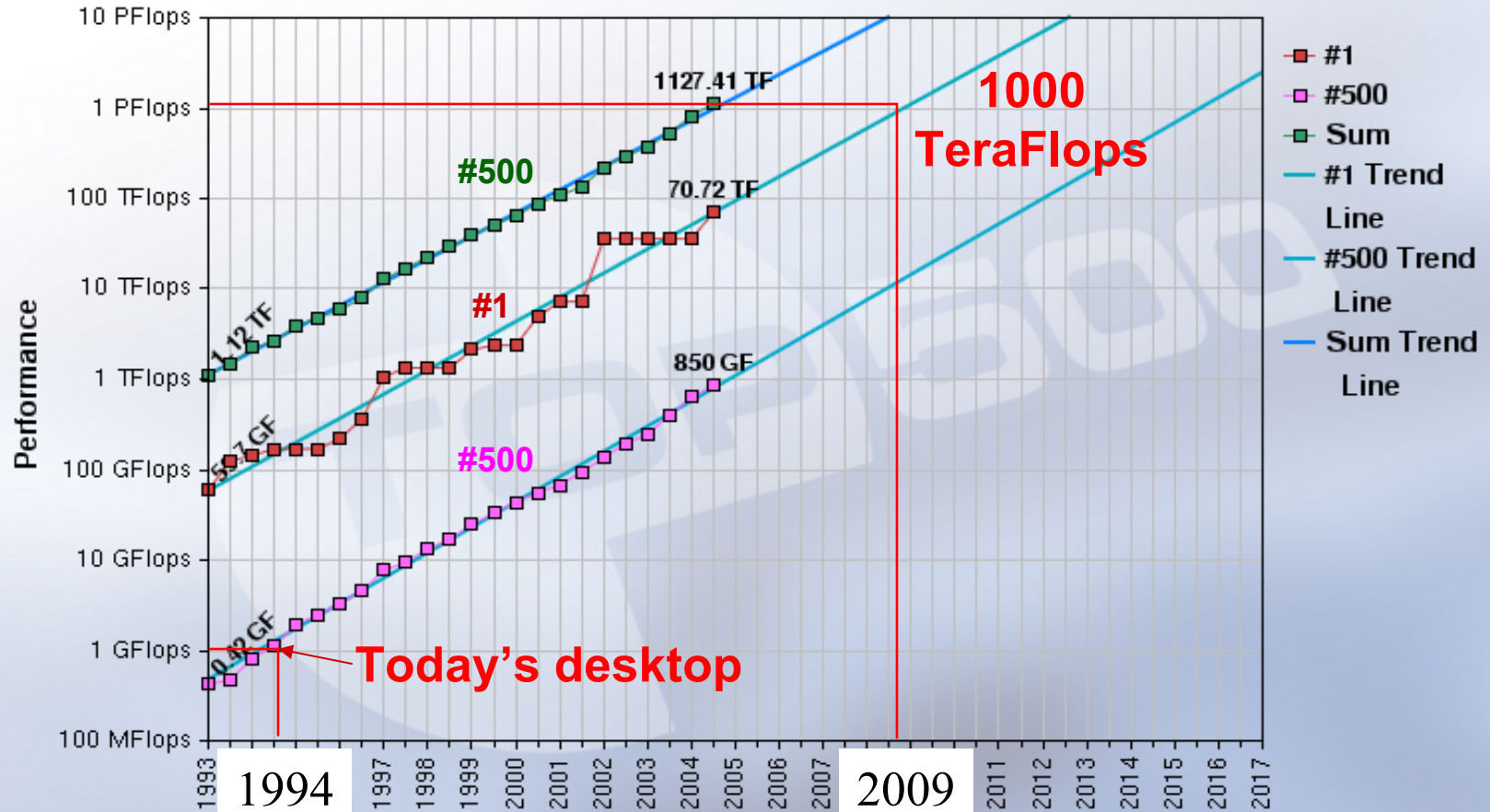


Dan Maltbie, CEO  
Woven Systems,  
Inc.

# Computing growth trend is exponential



## Projected Performance Development



24th List / November 2004

<http://www.top500.org/>

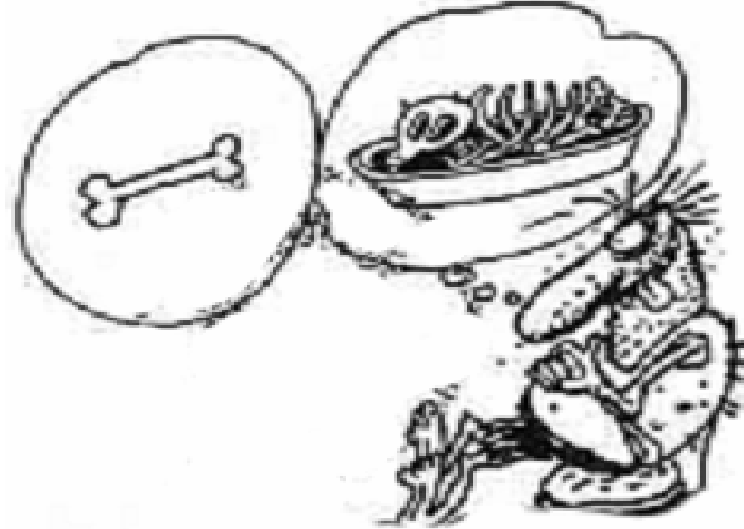
Over half the Top500 are industry related



# Scarce vs. Abundant Computing

## Scarce: maximize resources

- Limited processing power
- Proprietary architectures
- Dedicated platforms
- Dumb interconnect



## Abundant: optimize resources

- Limitless, cheap processing power
- Easily scaled
- Easily shared
- Smart interconnect



# Legacy Thinking



***Bigger System?  
Bigger switch!***

"Problems cannot be solved at the same level of awareness that created them." Albert Einstein



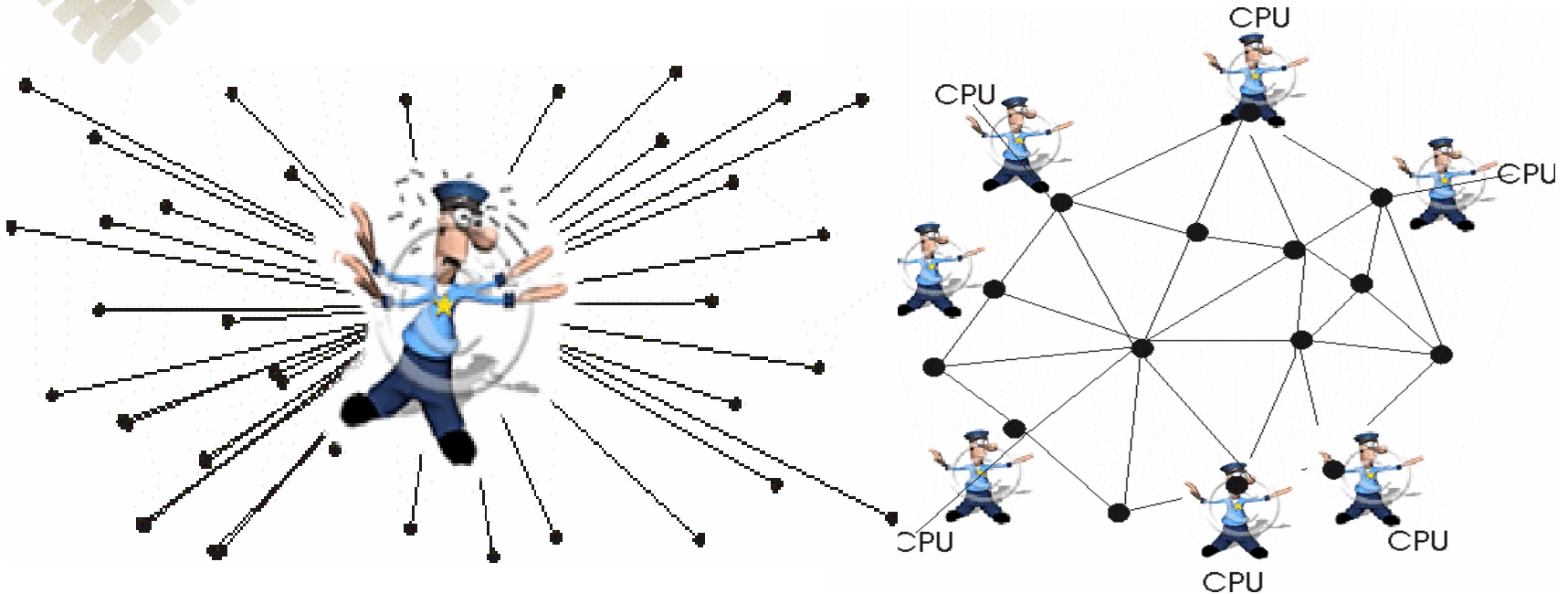
# Switch Does Not Scale!



- Complex
- Expensive
- Increased latency
- Vulnerable



# Distributed is Better



## Move interconnect intelligence to the edge

- Multiple-path Routing
- Scaling
- Buffering Congestion control
- Quality of service
- Security
- Robustness