Layer 1 Throughput: TPS vs Decentralization Trade-off

Transactions Per Second (log scale)

Legend:
- High Decentralization
- Medium Decentralization
- Low Decentralization
- Vertical Scaling

Bitcoin: 7 (15K nodes)
Ethereum L1: 30 (7K nodes)
Cardano: 250 (3K nodes)
Polkadot: 1,000 (1K nodes)
EOS: 4,000 (21 BPs)
Avalanche: 4,500 (1.3K nodes)
Solana: 65,000 (2K nodes)
Visa: 24,000 (Centralized, Visa avg.)