

Many Cores

Introduction

Many Core Challenges

Network on Chip

Mesh vs Bus Throughput Quiz

Many Core Challenges 2

Distributed LLC

Distributed LLC Quiz

Many Core Challenges 3

On Chip Directory

On Chip Directory Quiz

On Chip Directory 2

Many Core Challenges 4

Multi Core Power and Performance

Performance vs Number of Cores Quiz

No Parallelism to Boost Frequency

Many Core Challenges 5

SMT - Cores - Chips

Many Core Challenges 6

Conclusion