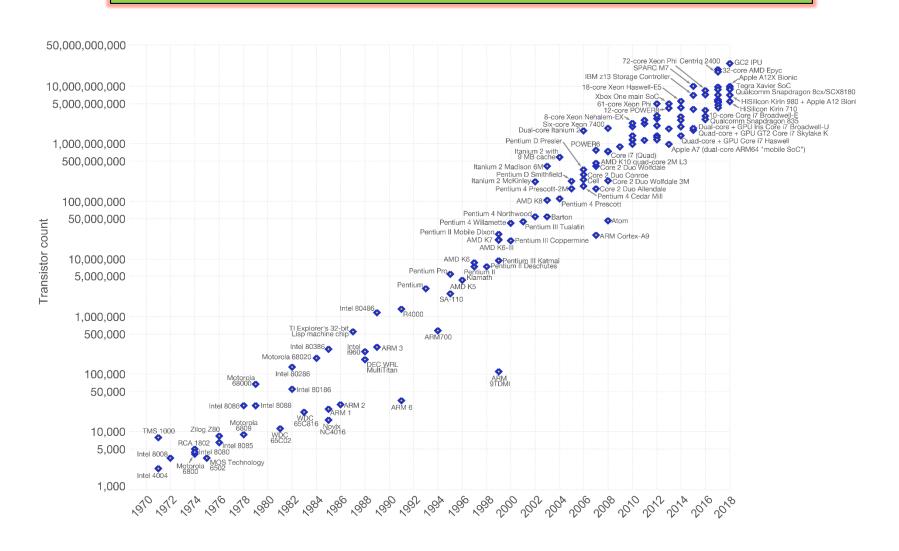
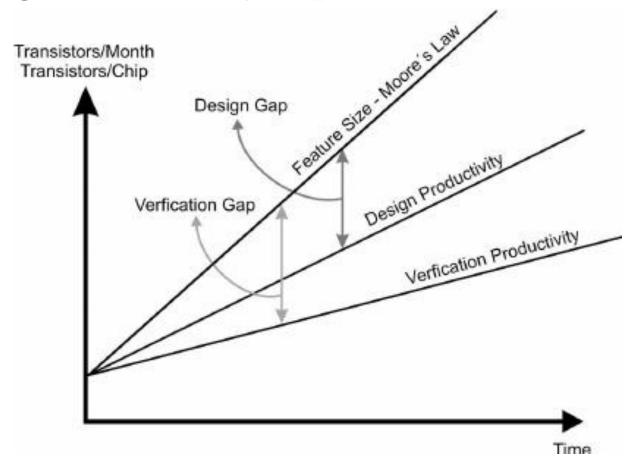


- Timing closure
- Capacity
- Physical properties

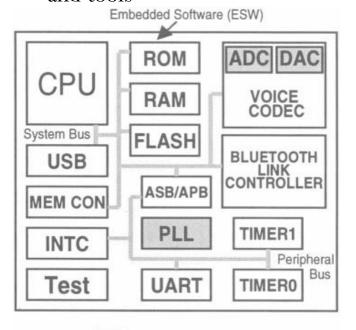


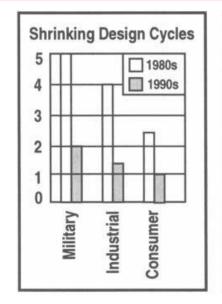
• Design Productivity Gap

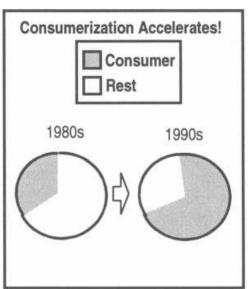


Time-to-Market Trends

• These technology and market challenges are having a dramatic impact on verification methodologies and tools







SOCTechnology

✓ design disciplines coexisting within a single design

topographical representation of Bluetooth design

AMS Blocks (IPs)

Why GPU in Phone?

- Graphics Processing Units (GPU) are designed to accelerate the large number of multiply and add computations performed in graphics rendering.
- Mobile gaming global revenue is increasing day by day
- These feature rich, high resolution games look pleasant to eyes but are extremely 'hardware hungry'.
- A single game scene rendering(drawing) on screen involves complex memory-intensive geometric and arithmetic operations.
- Graphics Processor Unit (GPU) is a dedicated hardware to offload CPU of these efforts.



Graphics Processor Pipeline

Application running on CPU defines/modifies a scene based on UI Inputs/animation to GPU.

- Geometry Transformation
- Camera Transformation
- Lighting
- Clipping
- Viewport Transformation
- Rasterization