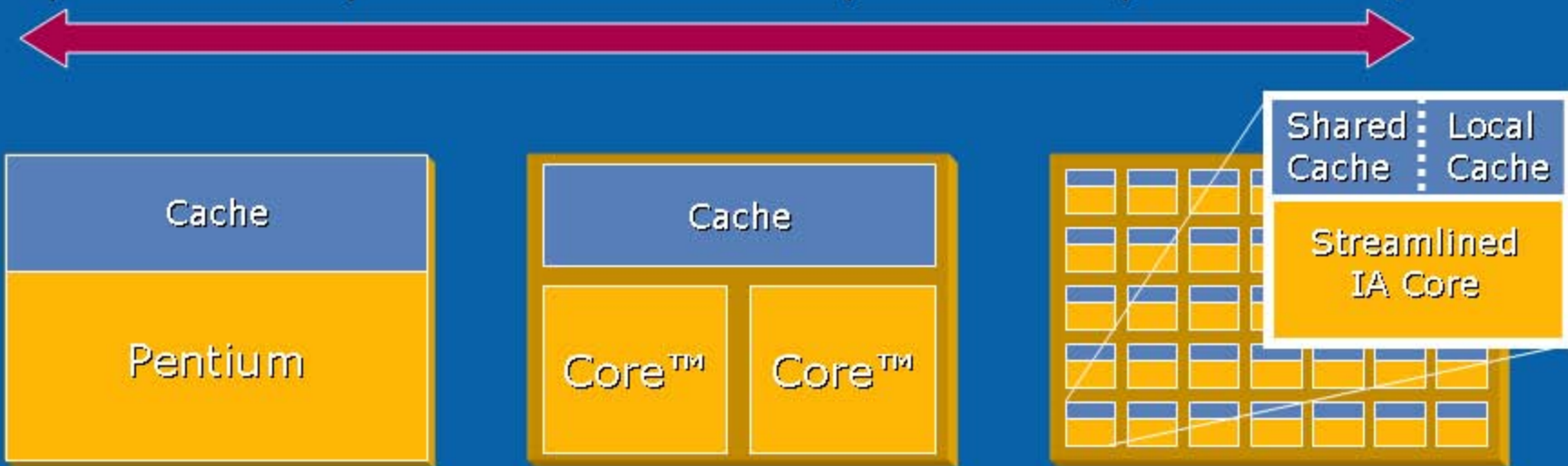


What the Cores will look like: From a few large cores to many lightweight cores

Optimized for speed

Optimized for performance/watt



Pentium era chips optimized for raw speed on single threads.

Pipelined, out of order execution.

Today's chips use cores which balance single threaded and multi-threaded performance

5-10 years: 10s-100s of energy efficient, IA cores optimized for multithreading