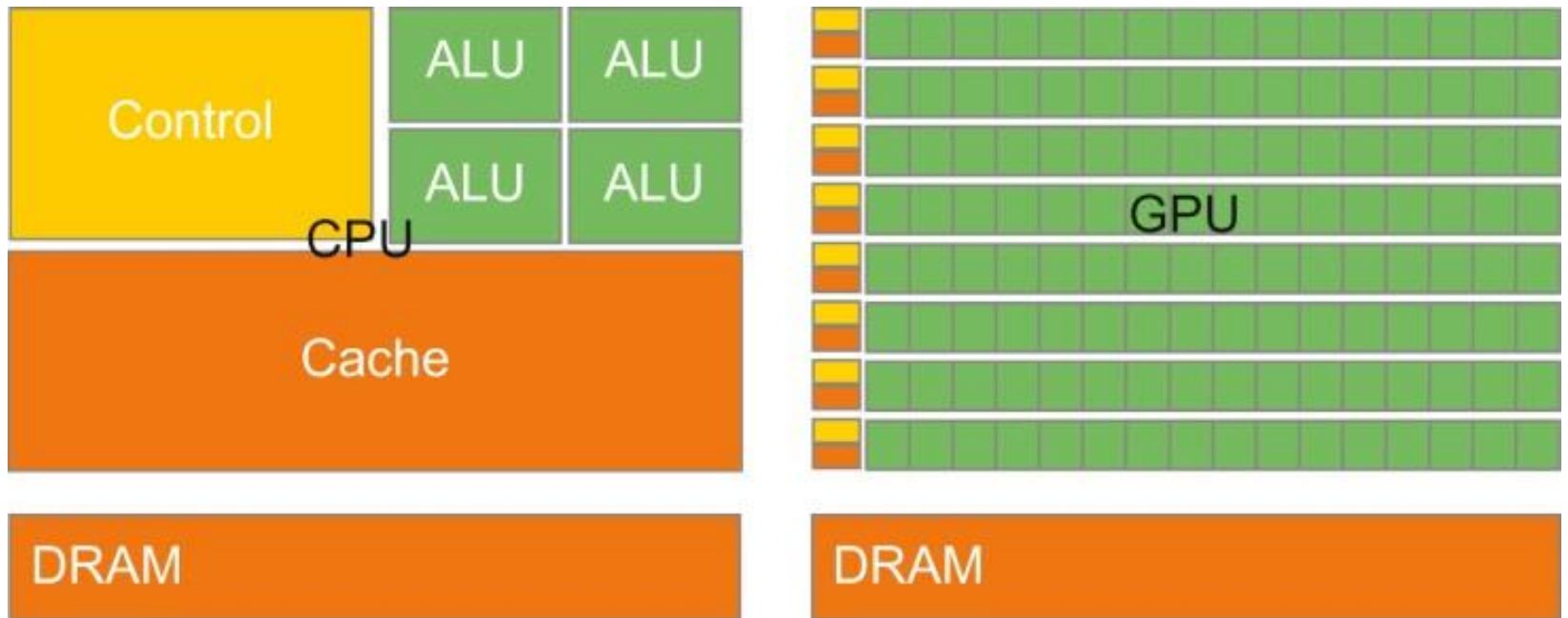# Chapter-1
Introduction

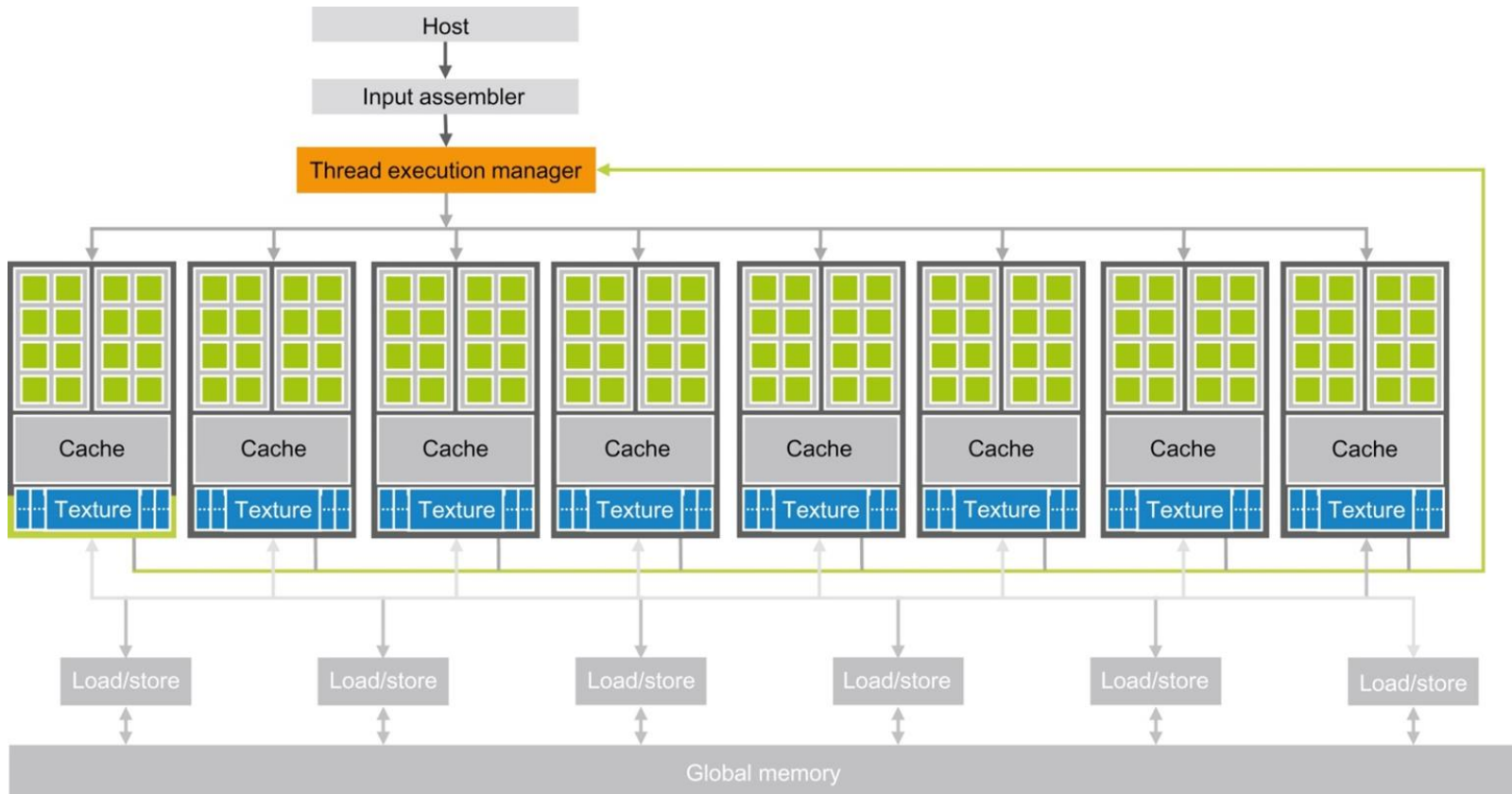**FIGURE 1.1:** CPUs and GPUs have fundamentally different design philosophies.

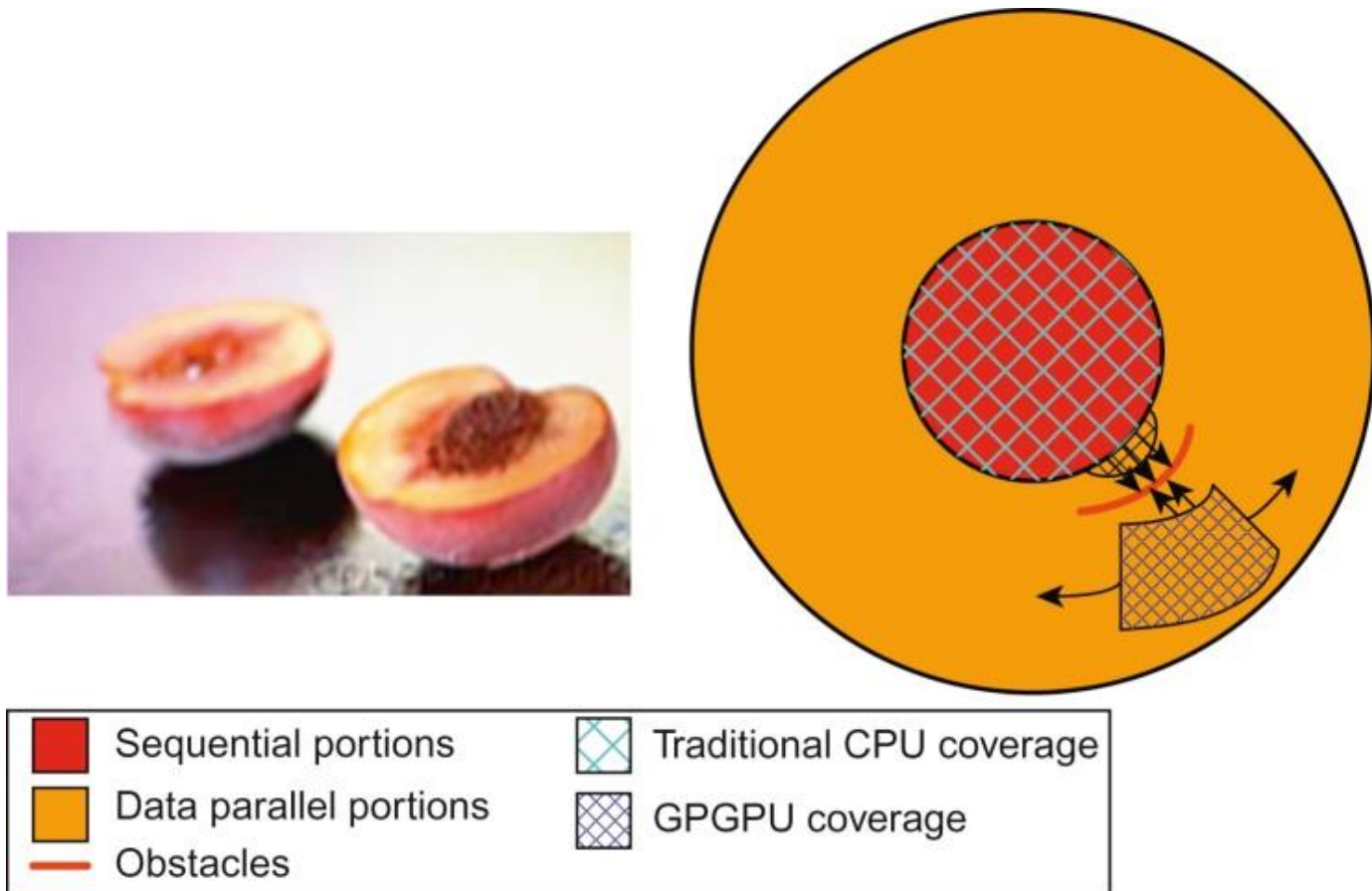**FIGURE 1.2:** Architecture of a CUDA-capable GPU.

FIGURE 1.3: Coverage of sequential and parallel application portions.