# May GeForce Be With You: A Brief Introduction to GPU Computing

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The use of GPUs for scientific computing is exploding. GPUs have a massively parallel architecture, allowing them to perform certain computational tasks hundreds of times faster than on a traditional CPU. But the huge gains in performance come at a cost; the programmer must be conscious of GPU memory, threads, and blocks. Is the juice worth the squeeze? Come find out in my brief introduction to GPGPU computing, the CUDA API, and other acronyms.