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Pragmatic appliance of GPGPU technology

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Abstract. This article presents an analysis of the practical appliance of GPGPU technology. Modern graphics accelerators can be used in a fairly wide range of activity fields beginning with entertainment, multimedia systems and not even limited with scientific investigations. To engage the enormous potential concealed in the device, multiple special tools and programming languages programming, such as OpenGL, OpenCL and CUDA, have been developed and standardized, helping Wolfram Mathematica, MATLAB, Maple and other popular computational packages reveal the real power of GPGPU. So,

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