Introduction to parallel computing

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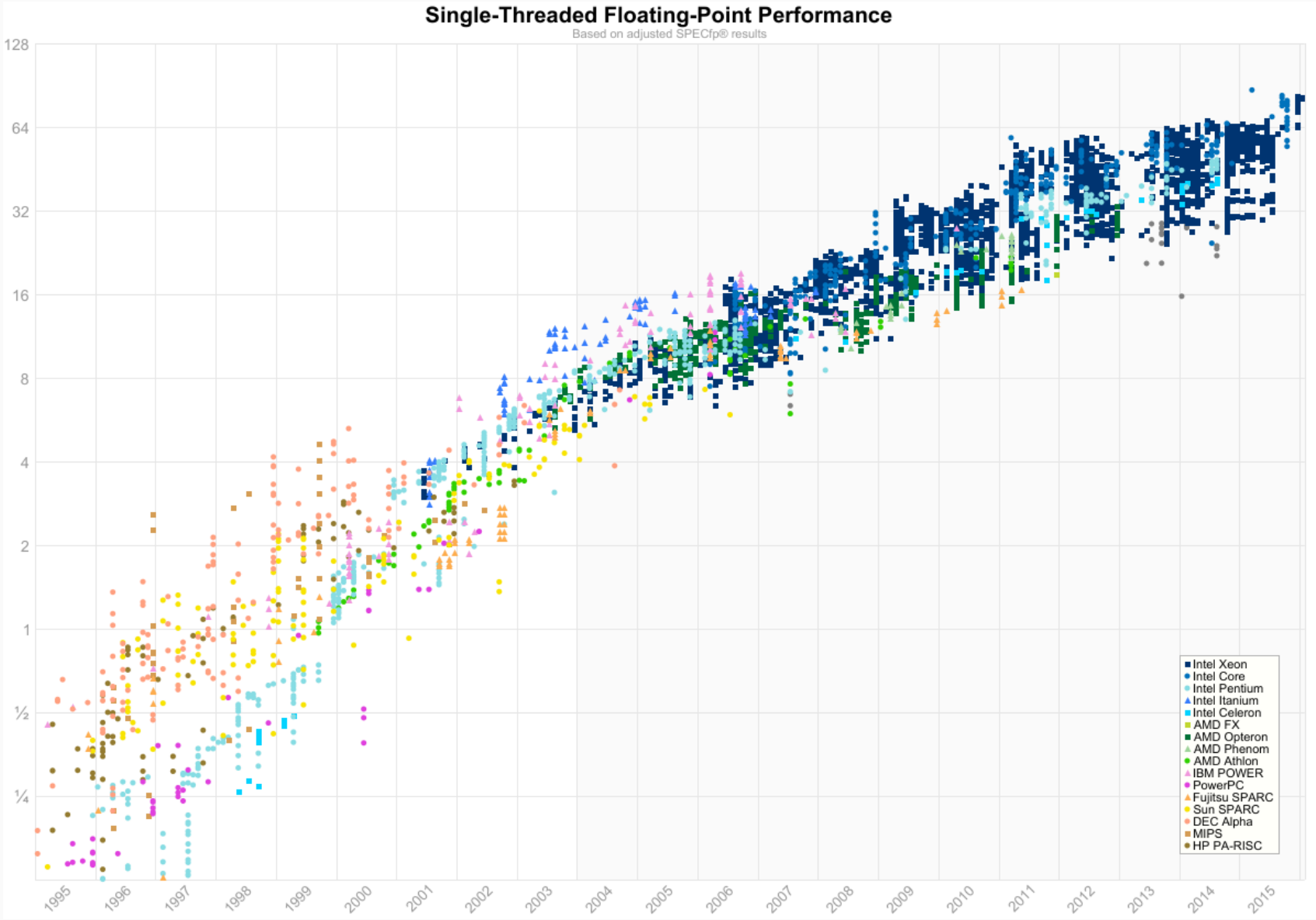
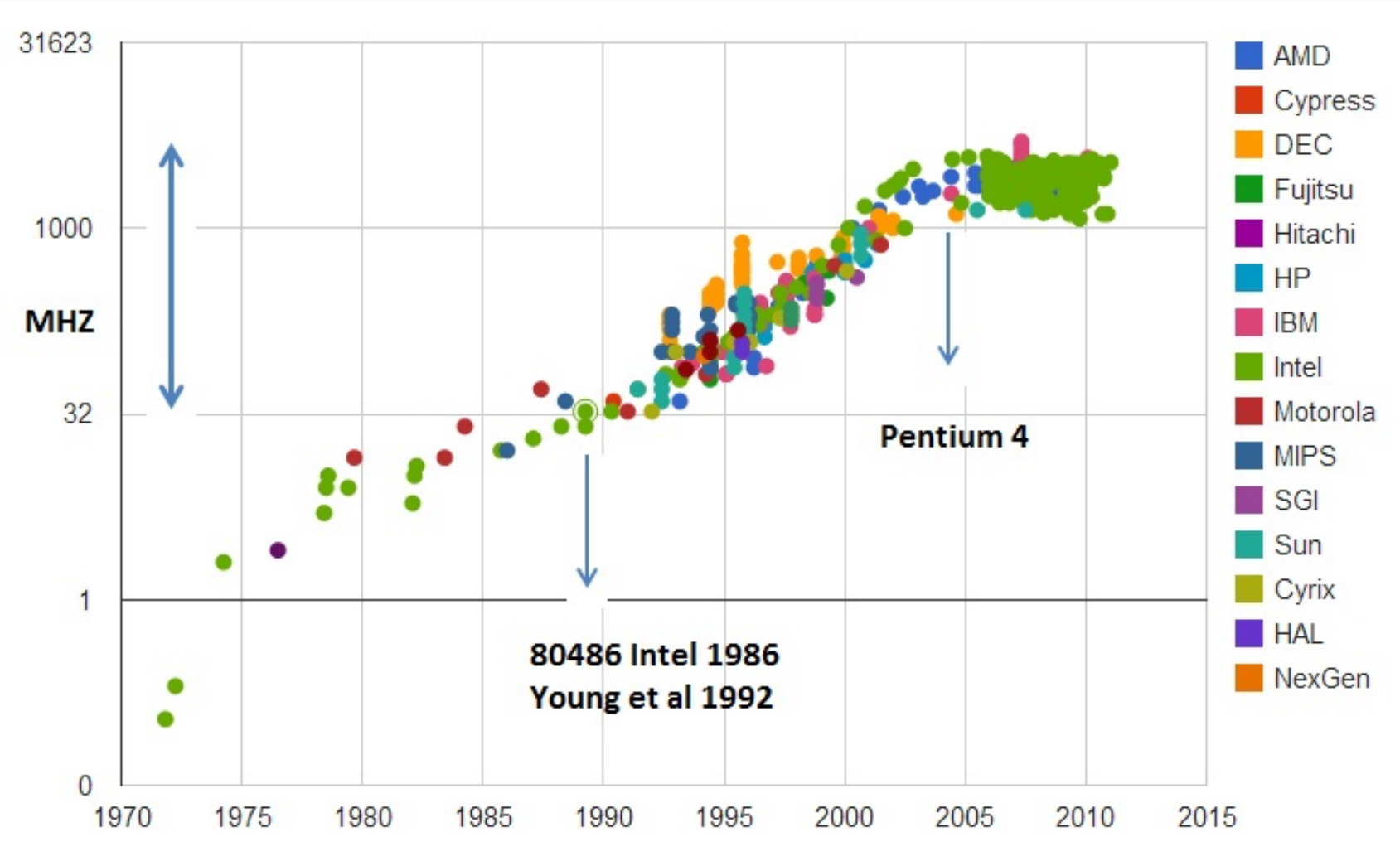
cpu performance



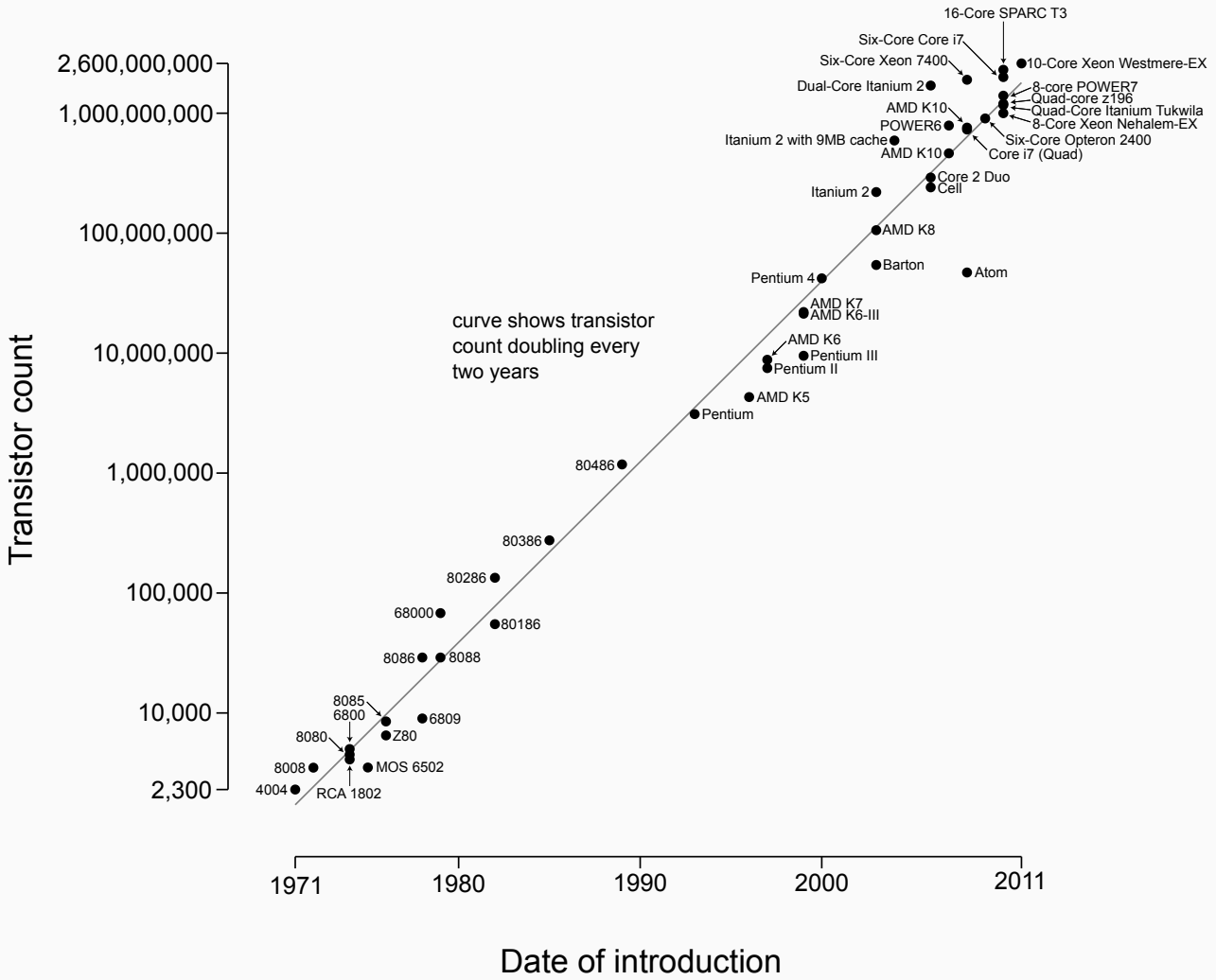
Single-Threaded Floating-point Performance by HenkPoley

clock speed



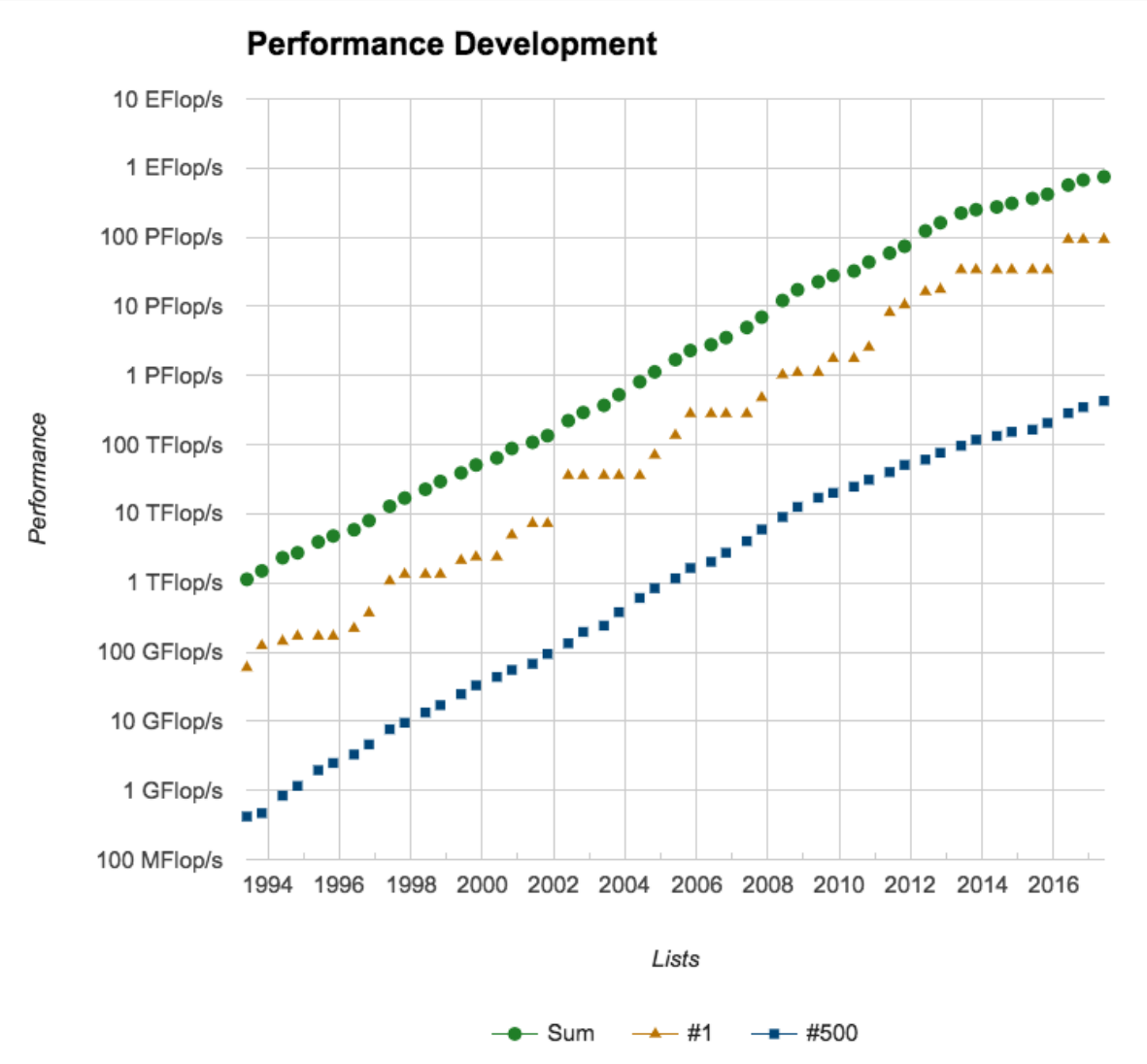
Clock CPU Scaling.jpg by Newhorizons msk / CC0 1.0

transistor count



Transistor Count and Moore's Law - 2011 by Wgsimon / CC BY 3.0 / cropped from original

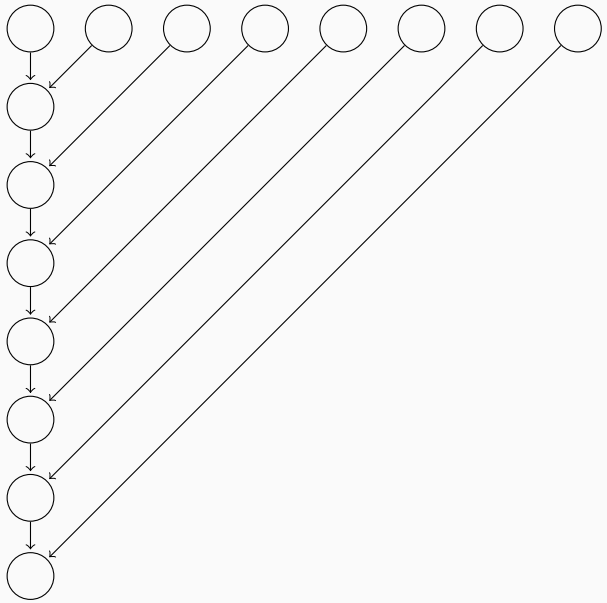
supercomputer performance



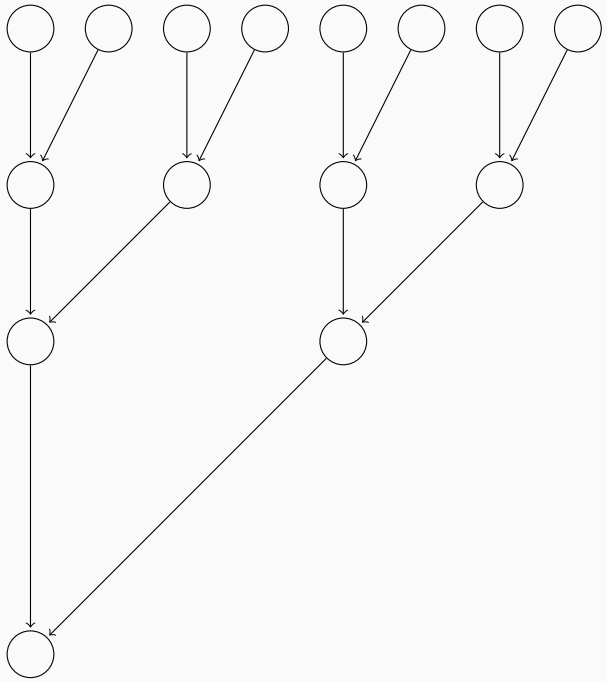
Graph courtesy of The Top 500 List.

what are the challenges of parallel computing?

counting



counting cont.



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