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Subject: Re: New Computer Research

Posted by [mrpirate](#) on Sun, 18 Jun 2006 21:07:47 GMT

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Doitle wrote on Sat, 17 June 2006 19:57Part of the difference is that memory is so much faster than a hard drive. That's why they make programs to use your memory as a hard drive. Things put on it load near instantly. There is a tradeoff however, I beleive that more chips are better. Each Memory Module can only do so much at a time, and if you have two 512MB memory modules of the same speed, compared to one Gigabyte memory module, the two chips can do twice as many operations. At least at far as I understand it.

You're right, but only if the two memory modules are used on a dual channel motherboard, which allows a 128-bit memory interface when dual channel mode is enabled (compared to a 64-bit interface with just one module, or two in a non dual channel configuration, i.e. non matching modules). However, there is no bandwidth gain in having 4 modules versus 2.

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