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Perhaps one would ask, why the need for great speeds in computers? Why are computers becoming increasingly faster and faster? The answer lies in the great amounts of work a modern computer is expected to perform besides many other things like complexities in the tasks of modern machines. How fast, accurate a computer can finish a certain task after receiving a command from the user is what is termed as the speed. Computers are ever evolving machines, almost on daily basis. New computers with different and new features get manufactured and rolled out into the market to meet the ever waiting customer demands.

At the centre of the features that customers normally look out for is the ability of a computer to perform faster. Also of interest to many is how to improve computer speeds. The tasks performed are usually offline, a situation in which commands are given by the user on various tasks that are performed without connecting to the internet or each other. Sometimes these involve connections over the internet to distant sources of data. All these factors have seen the rise in computer speeds either intrinsically as it was manufactured or improved after purchase by the users for various purposes.

Many ways on how to improve computer speeds are available. Most commonly used is improving the random access memory commonly referred to as RAM. Every computer is normally manufactured with an extra slot where such a device can be inserted. These are available by various descriptions depending on the slot. The common ones are DDR1 and DDR2. One only needs to check the slot to determine which kind of random access memory is required. Depending on specification, such a memory is obtained and inserted into the pre-existing slot. This is the way to obtain maximum improvement in speeds and has seen up to double increase.

Another common approach to improving computer speeds is getting rid of unwanted data occupying the storage disk thereby freeing the disk space. It becomes easy for the programs that run the computer to access the data from such storage devices. Back and forth communication between executing programs and the information to be displayed is also greatly improved. Still on storage space, one can allocate some space to temporary storage computer program execution, commonly termed as virtual random access memory or virtual RAM. The space thus adds to the function performed by a physical RAM and just acts exactly as one.

Some computer programs especially those that check the function of others or those that protect the computer from external invasion also sometimes tend to slow down computers. Such include antivirus software and firewall programs. This is because they run in the background of almost every other program which is active. Changing the settings of these programs is one way some users find useful in improving the speeds of computers.

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