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The Message Passing Interface (MPI)
specification is widely used for
solving significant scientific and
engineering problems on parallel

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computers. There exist more than a dozen implementations on computer platforms ranging from IBM SP-2 supercomputers to clusters of PCs running Windows NT or Linux ("Beowulf" machines).

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organized an effort to standardize the
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Programming with the Message

Three of the authors of MPI have
teamed up here to present a tutorial

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on how to use MPI to write parallel programs, particularly for large-scale applications. MPI, the long-sought standard for expressing algorithms and running them on a variety of computers, allows leveraging of software development costs across parallel machines and networks and

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will spur the development of a new level of parallel software.

Using MPI : portable parallel programming with the message ...

To facilitate and streamline these tasks at scale, we incorporated Message Passing Interface (MPI) to

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Portable Parallel ...

Message Passing Interface is a standardized and portable message-passing standard designed by a group of researchers from academia and industry to function on a wide variety of parallel computing architectures. The standard defines

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the syntax and semantics of a core of library routines useful to a wide range of users writing portable message-passing programs in C, C++, and Fortran. There are several well-tested and efficient implementations of MPI, many of which are open-source or in the public

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The Message Passing Interface (MPI) specification is widely used for solving significant scientific and engineering problems on parallel computers. There exist more than a dozen implementations on computer

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platforms ranging from IBM SP-2
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running Windows NT or Linux
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Using MPI - 2nd Edition: Portable
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