

---

Subject: FastDL: An MPI interface for IDL

Posted by [Liam Gumley](#) on Wed, 03 Mar 2004 15:43:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Has anyone tried this?

<http://www.techxhome.com/products/FastDL/>

---begin quote---

Cluster Computing with RSI's IDL

When analyzing large data sets or performing very complex computations, some analyses may take so long they cannot be accomplished with symmetric multi-processing and multithreading. To solve this challenge, Tech-X Corporation is working with Research Systems Inc., building on their Interactive Data Language (IDL) technology and developing FastDL, an add-on library that provides a subset of the Message Passing Interface (MPI) from within the IDL interpreter.

FastDL coordinates IDL script code through an MPI interface, letting you delegate computation tasks to machines in the cluster, even clusters with heterogeneous hardware. With FastDL, you can preserve and extend your investment in current IDL computational infrastructure and leverage inexpensive, powerful commodity computational hardware to significantly shorten result and resolution time.

Built on MPI, the standard message-passing interface for distributed-memory parallel computing, FastDL is a standard paradigm for supercomputing that enables interactive analysis and visualization of huge data sets on multiple processors in parallel. Several well-known physics laboratories, including Sandia National Laboratories, Utah State University and General Atomics, are using FastDL to help them shorten their analysis and visualization time.

---end quote---

Looks interesting...

Cheers,

Liam.

Practical IDL Programming

<http://www.gumley.com/>

---