



AIM Technology

# Certified Shared Application Server Report

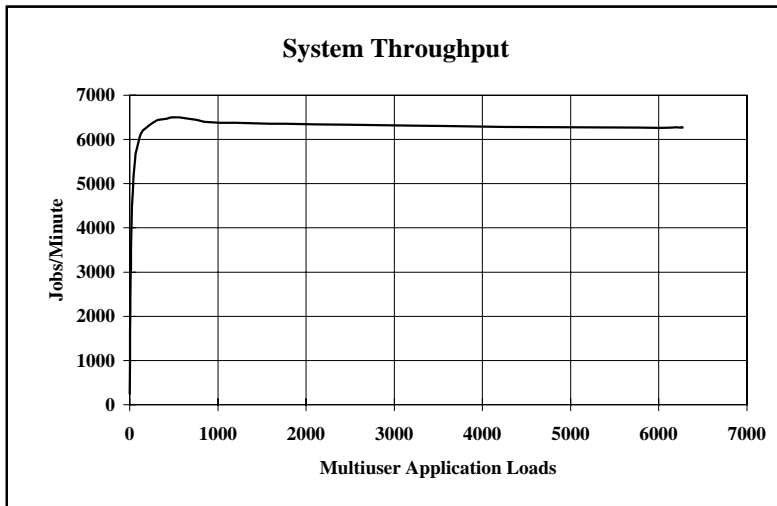
A UNIX Performance Summary based on the AIM Multiuser Benchmark and the AIM Independent Resource Benchmark.

IM Certified Multiuser Report Series

Rev 2.0

## IBM Netfinity 7000-M10

<u>Price</u>	<u>CPU Type</u>	<u>Clock Rate</u>	<u>1st Level Cache</u>	<u>2nd Level Cache</u>	<u>RAM</u>
\$86,908	Pentium III Xeon (4)	500MHz	32KB	2MB	4GB
<u>Disks</u>	<u>Disk Controllers</u>	<u>I/O Buffers</u>	<u>O/S</u>	<u>File System</u>	<u>Compiler</u>
9.16GB, 5.4ms (30)	IBM ServeRAID 3H (3) Adaptec AIC 7895	Dynamic	SCO Unixware 7.1	VXFS	SCO Optimizing C

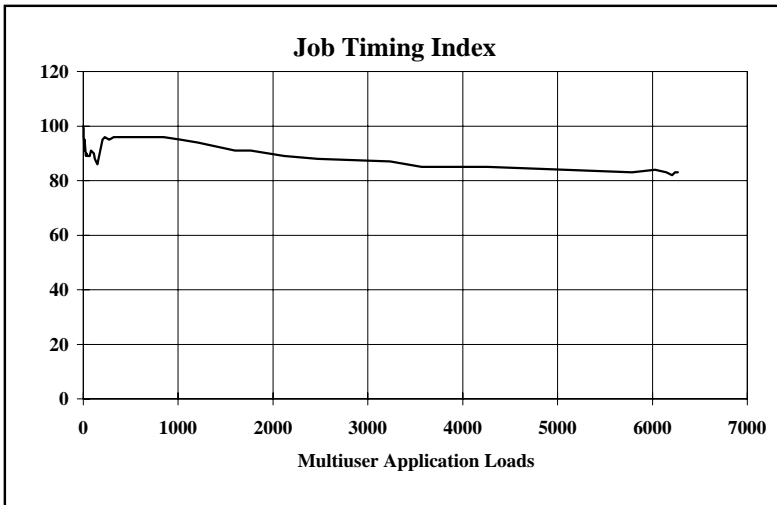


**Peak Performance**  
**6504 AIM Multiuser Jobs/Minute**

The **Peak Performance** reflects the system throughput at the point at which the system is able to process the most jobs per minute.

**Sustained Performance**  
**6283.6 AIM Multiuser Loads**

The **Sustained Performance** indicates the multitasking operation load where the system's performance could become unacceptable, i.e less than 1 Job/Minute/Application Load.



**Job Timing Index**  
**82**

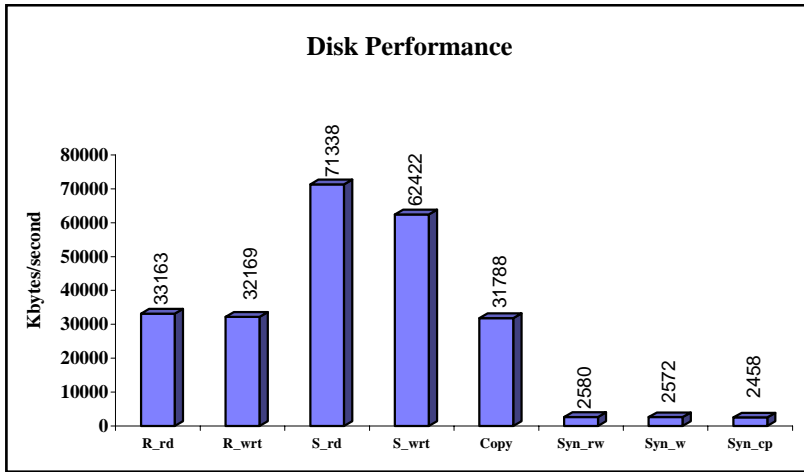
The **Job Timing Index** is a measure of the difference in completion times for concurrent jobs. It reveals the ability of a system to run processes simultaneously.



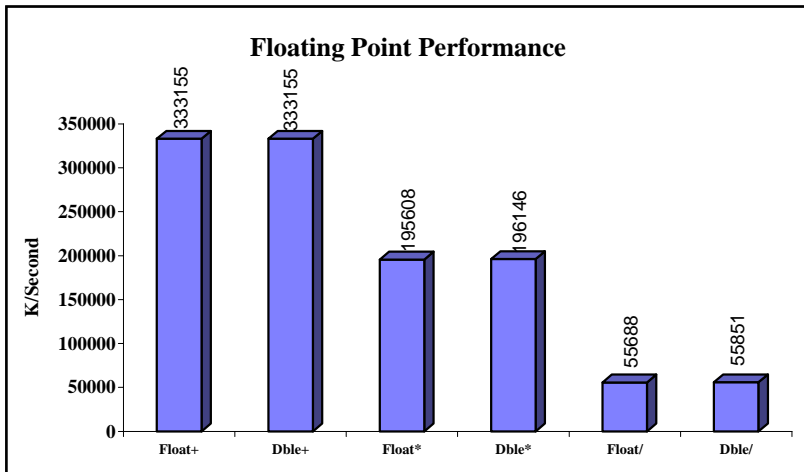
Certified By:  
 AIM Technology  
 August 5, 1999  
 AIM ID #0781

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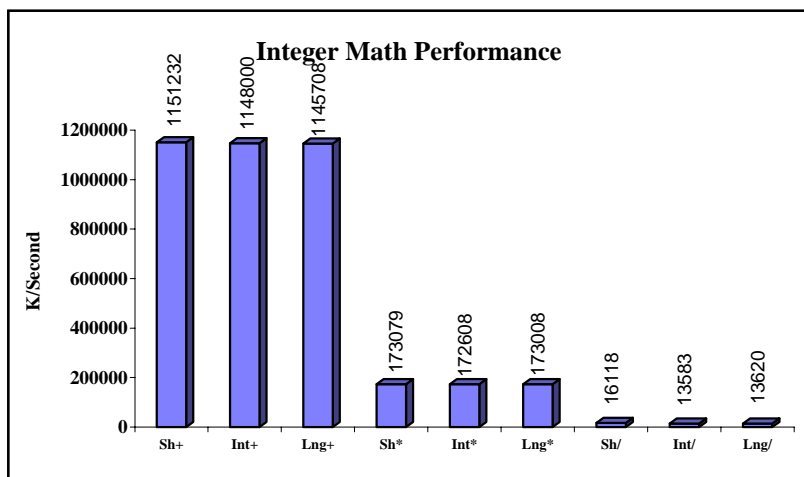
**Independent Resource Performance**



At left, single-tasking performance of cached (disk read, disk write and disk copy) and direct-to-disk (synchronous write and copy) operations is represented in kilobytes per second. **Cached disk performance** is especially important for interactive applications such as **Software Development, Spreadsheets and Webservers**. **Synchronous disk performance** is important for **Database and File Server Applications**.



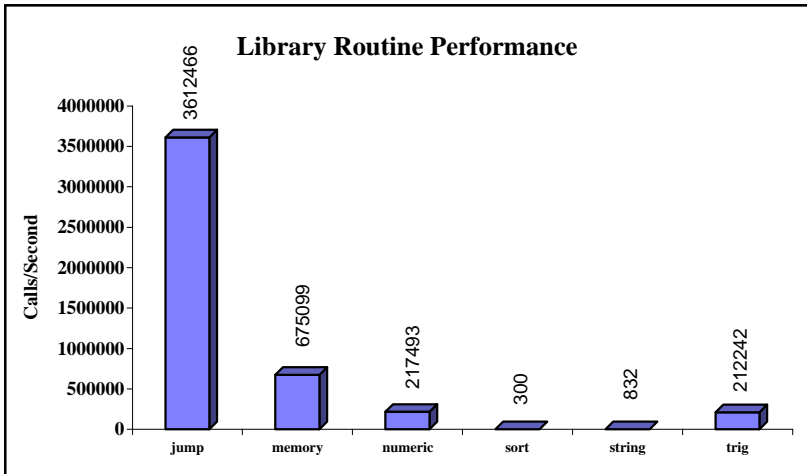
At left, single-tasking performance of **floating point operations**: addition, multiplication and division of single and double precision floating point values is represented in thousands of operations per second. Floating point performance is especially important for **Scientific, Imaging, and Multimedia Applications**.



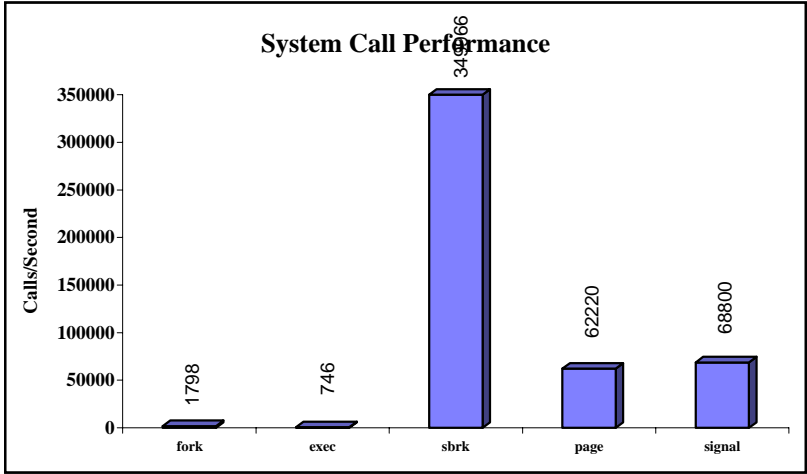
At left, single-tasking performance of **integer math operations**: addition, multiplication and division of short integer, integer and long integer values is represented in thousands of operations per second. Integer math performance is important in **all areas of computing**.

**Independent Resource Performance**

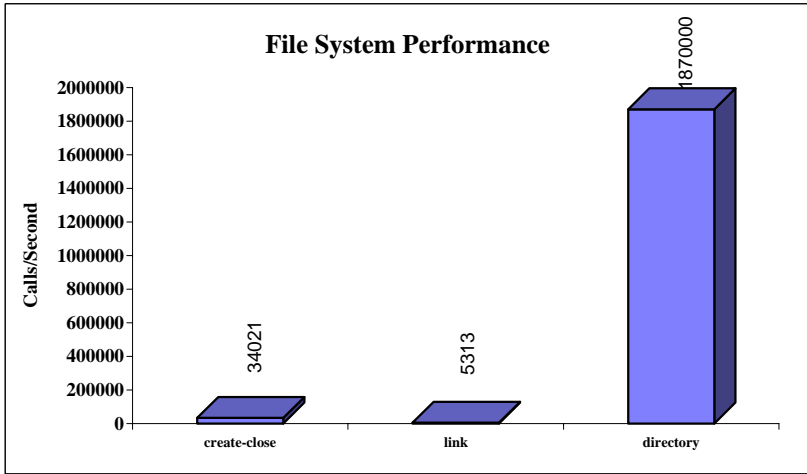
At right, single-tasking performance of Library Routines is represented in calls per second. String, sort, numeric, and memory routines are important for applications which use large amounts of data. Library Routines are especially important for **Desktop Publishing and Financial Applications**.



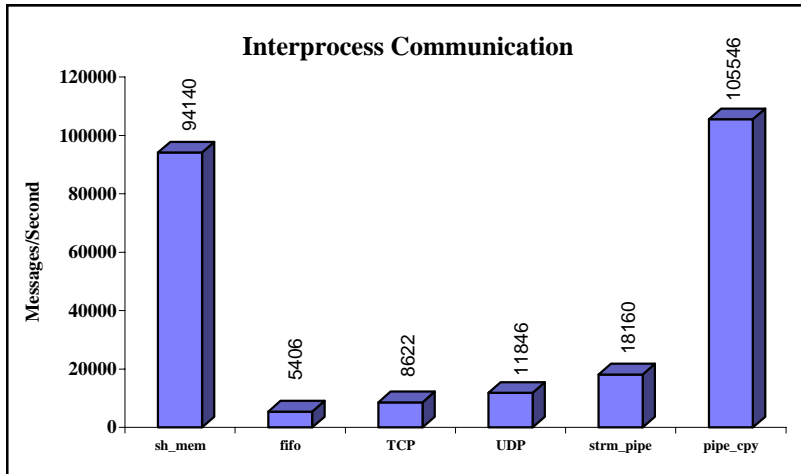
At right, single-tasking performance of the fork, exec, and sbrk is represented in calls per second. These system calls are key UNIX performance parameters in the areas of **Process Creation and Memory Management**.



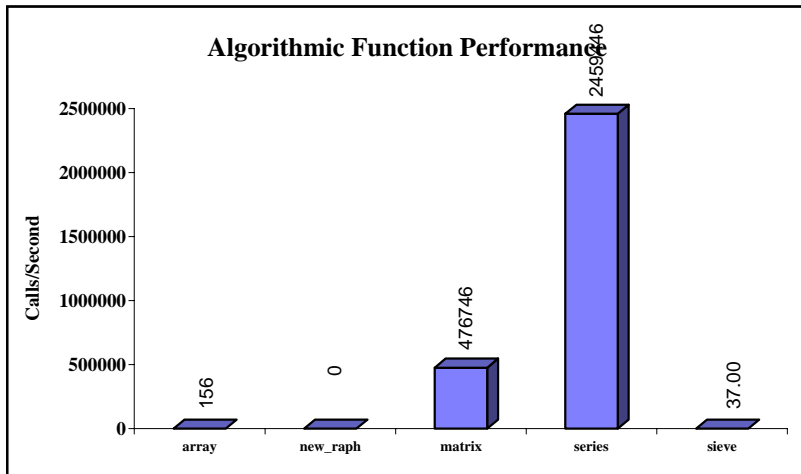
At right, single-tasking performance of create-close, link and directory read routines is represented in calls per second. These file system calls are key UNIX performance parameters in the areas of **File Creation and Deletion, Directory Modification and File Search**.



**Independent Resource Performance**



At left, single tasking performance of systems using **shared memory** and other forms of **inter-process communications** is represented in messages per second. This is a measure of the IPC performance for **Client/Server, X Windows, and Database Applications**.



At left, single-tasking performance of common **algorithmic operations** including simultaneous systems of equations, zeros of polynomials, 3D projections and series evaluations is represented in calls per second. Algorithmic operations are widely used in **Scientific Applications**.

**USE OF THIS REPORT**

This report is intended for use in comparing the tested system configuration to other AIM reports **using the same benchmarks with the same application mix**. Make certain the reports you are comparing use the same units, i.e. AIM Multiuser Jobs/Minute. System performance will vary according to configuration, application mix, and usage. **If this report is used to reach a procurement decision, make certain the configuration is applicable to your requirements.** If you have questions regarding the applicability of this configuration, please contact the vendor or AIM Technology.

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This report was produced from the AIM Multiuser Benchmark-SuiteVII v1.1 and the AIM Independent Resource Benchmark-Suite IX v1.1 results. Price quoted was verified as accurate by the vendor at the time this system was tested. UNIX is a trademark licensed exclusively through X/Open Company Limited.