Professor Jerome Arnold Uram

Faster Than 709

Computation Demands

A new all-transistor IBM 7090 data processing system is now in operation in the Computation Center. Installed by International Business Machines Corporation for use at the center, the machine, valued at $4,500,000, is available at no charge for the educational and research use of MIT and other New England colleges.

The 7090 is up to six times faster than the center's previous machine, an IBM 709, yet occupies approximately half as much space. In the reduction of components, it accommodates 19 magnetic tape units, as against 13 with the 709. The increased processing speeds of the 7090 are: additions and subtractions at an average rate of 229,000 per second, multiplications at 320 per second, and divisions at 27,700 per second.