EQUIPMENT OF THE ARTIFICIAL INTELLIGENCE LABORATORY

by

R. S. Michalski

At the Department of Computer Science, 1985.

Equipment of

The Artificial Intelligence Laboratory

Department of Computer Science
University of Illinois, Urbana

Director, Ryszard Michalski

The AI laboratory at the Department of Computer Science offers a range of equipment to its researchers, including eight SUN Workstations, three SYMBOLICS Lisp machines and several IBM personal computers.

All equipment is interconnected by a 10 Mb Ethernet (see figure), and linked to the Departmental Computer Research Facilities. All eight SUN Workstations are running Berkeley UNIX 4.2. Available software includes Common Lisp, Pascal and Prolog. Each of the SUN systems has a 1152x900 bit mapped graphics display which supports the SunWindows, a windowing facility, the SunCore graphics package, and a SIGGRAPH Core graphics package. The SUN systems have over 1,000 Megabytes of disk storage along with two streaming tape archive drives. One of the SUN machines supports a 480x640 resolution color display system.

Peripherals of the SUN Workstation include a black&white and color printers, and a modem. Work can also be done on the Laboratory's IBM–PCs, IBM–XT and PC compatibles.

The Laboratory also operates three Symbolics Lisp machines. These machines support an advanced LISP programming environment with a high resolution black&white display and mouse.

The equipment of the AI laboratory is connected to other research machines operated by the Computer Science Research Laboratory (CRL) by ways of a 10Mb Ethernet System. This equipment includes two VAX 11–780s, seven VAX 11–750s, a Pyramid Technologies Pyramid Computer and four additional SUN Workstations. CRL also has two Symbolics Lisp machines for research use. Phototypesetting is available on the CRL machines supporting three IMAGEN laser printers.

The University of Computer Systems Organization (CSO) operates a CYBER 175 which is also available to Laboratory researchers.

Equipment of
The Artificial Intelligence Laboratory
Department of Computer Science
University of Illinois, Urbana