

"The Manual Input Sessions"

Interactive audiovisual performance
by Golan Levin and Zachary Lieberman
Technical Diagram & Specifications

Our concert instruments combine analog overhead projectors with digital computer video projectors. These are aligned so that their projections overlap.

A computer vision system analyses the silhouettes of the performers' hands as they move across the glass platen of the overhead projectors. In addition, the performers also create drawn marks on transparencies.

The hand gestures and transparency drawings are thus analysed by a computer. In response, the computer generates synthetic graphics that are tightly coupled to their forms and movements. These graphics are digitally projected to coincide with the "analog" shadows of the hands and drawings. The computer also generates sounds in response as well.

