The Unique-Bid Auction

To create an auction environment that allows human and robotic bidders to compete for a fictitious auction item

Project by David Phillips

Complex-Systems Modeling:

The auction environment simulates a sealed bid, unique-bid auction.

Computer Networking:

The auction computer environment sends information to "bidder" computers, manned by the human participants. These computers transmit their own information (their bids) back.

Graphical Display:

The auction program has the ability to show a frequency distribution histogram to summarize previous rounds.

Artificial Intelligence:

In addition to all of the human players, each round also has a number of computerized bidders. These robots use an artificially intelligent strategy.