Darpa's robotics simulator/test platform reaches 2nd milestone

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DARPA's Autonomous Robotic Manipulation (ARM) program is developing software to perform human-level tasks quickly and with minimal direction.

This video shows the ARM robot performing 18 grasping and manipulation tasks using vision, force, and tactile sensing with full autonomy – no active human control. The DARPA-supplied robot was built using commercial components that include an arm, hand, neck, and head sensors.

During rigorous testing in November 2011, the best team achieved 93% success in grasping modeled and unmodeled objects. The ARM program has entered its second phase, where focus turns to complex bimanual manipulation scenarios.

Provided by DARPA

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