FPGA-based Deep Learning Acceleration for Visual Grasping Control of Manipulator

Haibin Yin*, Haiqing Hong and Jing Liu

Key Laboratory of Hubei Province for Digital Manufacture, School of Mechanical and Electronic Engineering, Wuhan University of Technology,China

- Use FPGA to accelerate neural network.

- Use Vivado and Petalinux development kit to build software and Hardware system.

- Kinematic analysis enables the robot to grasp the target.