NVIDIA Jetson T210 Bringup Automation

A Major Qualifying Project Report:

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Abstract

The Jetson TX1 development board is NVIDIA's embedded Linux development platform for the Tegra X1 mobile chip. The goal of this project is to automate a series of manual test cases on the Jetson TX1 to verify different on-board modules of the development kit. We accomplished this goal by analyzing existing manual test instructions and automating their execution using Linux Bash script. Internal teams and partner factories of NVIDIA will benefit from these test scripts due to improved test efficiency of the Jetson TX1 development board.