



Performance of Near-Real-Time Rocket Ignition and Launch Detection Transfer Learning Model on Recent Launches

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Abstract:

Smartphones running a preliminary transfer learning model designed to detect rocket launches were deployed at ranges between 10 and 100 kilometers from launch pads at the Kennedy Space Center in Cape Canaveral, Florida. This work presents an analysis of the performance of the model during recent launches, a comparison of the model's behavior and performance on different platforms, and an overview of ongoing and upcoming improvements.