

First Stage Rocket Simulator - Abstract by Rajan Singh (India)

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Demonstrated schema of Rocket Modelling, applied physics, Launch followed by First stage separation & disposal of Cryogenic boosters.

Successful simulation of Falcon 9 First Stage Rocket based on SpaceX CRS-17 mission data in real time.

Telemetry upload into Rocket schema by custom inputs to design Rocket Flight Plan & its calculated execution.

Identification of potential errors in flight design within simulator.

Simulated a virtual view of Rocket Flight mission control based on applied aerodynamics, telemetry & Inter-stellar science.

Presenter: Mr SINGH, Rajan (ELS 2020 Participant)