Carleton High Altitude Radiometer

Project Proposal

Canadian Stratospheric Balloon Experiment Design Challenge

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[1] M. Omar, M. El-Kassaby, and W. Abdelghaffar, "A universal suspension test rig for electrohydraulic active and passive automotive suspension system," *Alexandria Engineering Journal*, vol. 56, no. 4, p. 359âĂŞ370, 2017.

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