

# LABORATORY TESTS WITH THE LAB 1 VEHICLE FITTED WITH LC1 BOGIES - PART I - LATERAL DYNAMIC TESTS ON THE LC1/1 BOGIE

The LAB1 coach, mounted on LC1 bogies, was tested in the laboratory to determine the dynamic parameters of the vehicle. This part of the report deals with the lateral dynamic tests on the LC1/1 bogie.

A series of eight runs was conducted, each of which had a different suspension configuration. Tests gave the inertial parameters of the bogie and the stiffness of its suspension components; this was in addition to the modal characteristics of each test.