

## EFFECT OF TRACTION OR BRAKING ON CURVING PERFORMANCE

The non-linear curving program was used to predict the effects of traction on braking on the steady state curving performance of two-axle bogies. It is shown that, on any curve, slip (or spin) only occurs when the full adhesion force is required to counteract traction or braking torques and that flange wear of bogies which curve badly will in general be reduced when traction or braking takes place. Attention is also paid to the safety against flange climbing derailment of powered bogies with flexible primary yaw suspensions; in the steady state no degradation of safety is expected.

The report lists several conclusions regarding creepages, traction and braking.