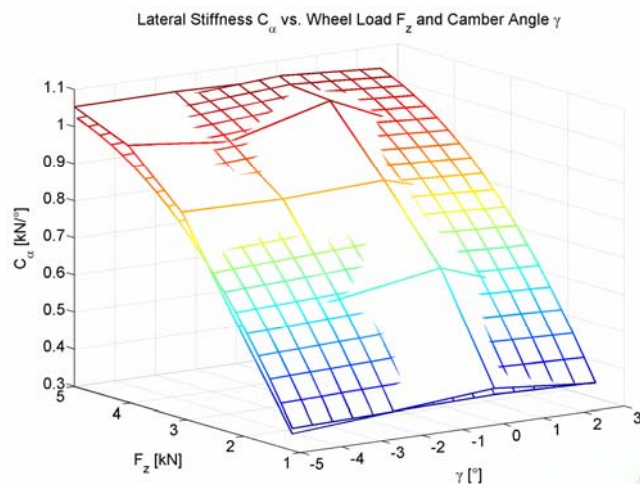


Tire Mapping on Public Roads

By means of the Universal Skid Resistance Measurement Device (URM II) tire properties can be investigated both systematically and objectively. Dependencies between tire load, slip, sideslip angle, camber angle and the forces and torques interacting between road and tire are measured. The analyzed measurement results can be directly transferred into tire maps.

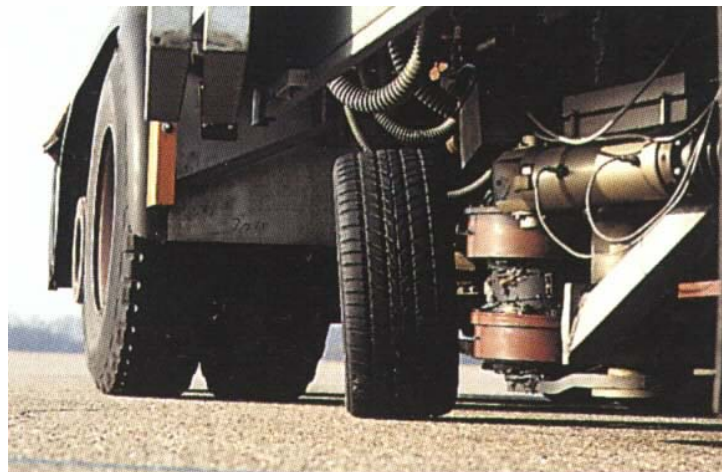


Measuring Tire Properties by Means of the Universal Skid Resistance Measurement Device (URM II)



Measured Tire Map

Measuring on public roads has some important advantages compared with test benches. For instance, there is almost an unlimited number of different roads with 100 % realistic road surface properties available. Test bench specific corruptions considering surface pressure distribution or shear stresses in the tire patch area do not occur. Furthermore, the tire wear on real roads is less than the one on a dynamometer corundum coat.



Instrumentation Device With Test Tire Mounted at Universal Skid Resistance Measurement Device (URM II)