



SwissMAP

The Mathematics of Physics
National Centre of Competence in Research

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Cars, Interchanges, Traffic Counters, and a Pretty Darned Good Knot Invariant

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Reporting on joint work with Roland van der Veen, I'll tell you some stories about ρ_1 , an easy to define, strong, fast to compute, homomorphic, and well-connected knot invariant. ρ_1 was first studied by Rozansky and Overbay, it is dominated by the coloured Jones polynomial (but it isn't lesser!), it has far-reaching generalizations, and I wish I understood it.

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