

Macroscopic traffic flow models on networks

Paola GOATIN (INRIA Sophia Antipolis)

The lecture will address the following topics:

- Basics on conservation laws: characteristics method, weak solutions, entropy condition, Riemann problem
- Macroscopic traffic flow models (first and second order)
- Conservation laws on networks: the Riemann problem at junctions
- Finite volume schemes (Godunov)