

Rodolfo Gámeros Leal

Traffic behaviour over the Poissonian city

The Poissonian city consists on a Poisson line process being realized over a disk of radius n . The purpose of this research is to analyse the traffic behaviour on this mathematical model and compare it against real data, e.g. the British railway. To achieve this we consider a particular kind of path from one point to another, named the semi-perimeter route. The comparison is made by measuring (after some simplifying assumptions are applied) how the mean traffic, through a point, changes as this point moves away from the centre of the city.