

Twisted Graphs

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In this talk we introduce the notion of twisted graphs, which is the combinatorial counterpart of a twisted curve in the sense of Abramovich and Vistoli. We will discuss some applications of the theory of twisted divisors on twisted graphs. We will show that the subgroup of r -torsion of a tropical Jacobian has a complete description in term of twisted divisors. This is a joint work with Alessandro Chiodo (Paris 6).