Geodesics in the Heisenberg group

G.A. Noskov

We survey a geodesic problem for the left invariant Carnot-Caratheodory-Finsler metrics on the Heisenberg group. Two solutions will be presented - the one based on the Pontryagin Maximum Principle and the other one, elementary, on the variation of the Isoperimetric Problem in Minkowski geometry.