

## Gromov hyperbolicity and quasihyperbolic geodesics

Vesna Manojlović

vesnam@fon.bg.ac.rs

University of Belgrade, FON and Mathematical Institute of SASA, Serbia

Coauthors: Pekka Koskela and Päivi Lammi

### Abstract

We characterize Gromov hyperbolicity of the quasihyperbolic metric space  $(\Omega, k)$  by geometric properties of the Ahlfors regular length metric measure space  $(\Omega, d, \mu)$ . The characterizing properties are called the Gehring–Hayman condition and the ball–separation condition.

*AMS Classification: 30C65.*