

1018-37-184 **Eugene Gutkin*** (gutkin@impa.br), IMPA, Estrada Dona Castorina 110, 22460-320 Rio de Janeiro, Brazil. *Security and complexity.*

We will discuss the relationship between these subjects for several types of spaces. Among our examples are riemannian manifolds without conjugate points, geodesic polygons on surfaces of constant curvature, and Zoll surfaces. (Received March 06, 2006)