

Counting Manifolds

Mikhail Belolipetski ¹

¹ IMPA

Resumo/Abstract:

I will discuss results and open problems related to counting locally symmetric manifolds of bounded complexity. As a natural measure of complexity we can use Riemannian volume or Euler characteristic, when the latter is non-zero. We can then study the behavior of the counting function, its asymptotic properties and dependence on the type of spaces under consideration.