

---

# Harnack hypersurfaces

Jean-Yves Welschinger<sup>\*1</sup>

<sup>1</sup>CNRS / Université Lyon 1 – Université Lyon1 et CNRS – France

## Abstract

I will discuss a higher dimensional counterpart to the method of construction introduced by Axel Harnack, which produces smooth real hypersurfaces in projective spaces. I will then investigate the topology of the latter, which turns out to be partially governed by an equation and will finally solve this equation, yielding to "universal Harnack hypersurfaces". This is a joint work -in progress- with Michele Ancona and Erwan Brugallé.

---

<sup>\*</sup>Speaker