Louis FUNAR (University of Grenoble, France)

On smooth maps with finitely many critical points

Abstract. We compute the minimal number of critical points that a smooth map between two given manifolds might have, in the case when the manifolds have dimensions $m \geq n \geq 2$ and the codimension $m - n < 4$. We will discuss also some partial results concerning the case of two spheres in the higher codimension case.