

COLÓQUIOS 2015
DEPARTAMENTO DE MATEMÁTICA

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IMPA

FALARÁ SOBRE

**SUBMANIFOLDS WITH NONPOSITIVE
EXTRINSIC CURVATURE**

We prove that complete submanifolds, on which the Omori-Yau weak maximum principle for the Hessian holds, with low codimension and bounded by cylinders of small radius must have points rich in large positive extrinsic curvature. The lower the codimension is, the richer such points are. The smaller the radius is, the larger such curvatures are. This work unifies and generalizes several previous results on submanifolds with nonpositive extrinsic curvature.

Quarta-feira, 10 de junho
16 horas

Departamento de Matemática
Auditório

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