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**CICLO DE CONFERÊNCIAS DA UAMat**



**Título: “Stable and Parabolic Hypersurfaces in Lorentzian Spacetimes”**

**Palestrante:** **Eraldo Almeida Lima Júnior**

**Resumo:** In this presentation, we deal with parabolic stable spacelike hypersurfaces with constant mean curvature immersed in a Lorentzian product. In this setting, we use some cut-off functions directly related to the parabolicity. We obtained rigidity properties for stable hypersurfaces, such as constant angle with the vertical direction timelike parallel direction $\partial\_t$, maximality and Calabi-Bernstein results in this process we also observed that such hypersurfaces must have zero Gauss-Kronecker curvature. We also attained to the case of surfaces where we can consider classic results as well obtain more refined theorems than in the general case.

**Data:** 04 de maio de 2017

**Local:** Auditório da Unidade Acadêmica de Matemática.

**Horário:** 10:00 h.