Universidade Federal de São Carlos
Departamento de Matemática

Seminário de Geometria Diferencial

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Falará sobre

Helicoidal flat surfaces in the 3-sphere

In this talk, helicoidal flat surfaces in the 3-dimensional sphere are considered. A complete classification of such surfaces, that generalizes a classification of rotational flat surfaces, is given in terms of the first and second fundamental forms for asymptotic parameters. The result consists in a relation between helicoidal flat surfaces and linear solutions of the corresponding homogeneous wave equation for the angle function.

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Local: Auditório do DM