

# WORKSHOP ON SUBMANIFOLD THEORY AND GEOMETRIC ANALYSIS

UFSCAR, SÃO CARLOS, BRAZIL, AUGUST 05 – 09, 2019

MONDAY- 11:30h - 12:00h -AUDITÓRIO DO DM

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Complete submanifolds with relative nullity

ABSTRACT. We use techniques based on the splitting tensor to explicitly integrate the Codazzi equation along the relative nullity distribution and express the second fundamental form in terms of the Jacobi tensor of the ambient space. This approach allows us to easily recover some important results in the literature on complete submanifolds with relative nullity, as well as derive new consequences in hyperbolic and Euclidean spaces.

Support:



Organizers:

