

WORKSHOP ON SUBMANIFOLD THEORY AND GEOMETRIC ANALYSIS

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

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

José N. V. Gomes

(UFAM, Brazil)

A note on gradient Einstein-type manifold

ABSTRACT. In this talk, we will show that a nontrivial, compact, degenerate or nondegenerate, gradient Einstein-type manifold of constant scalar curvature is isometric to the standard sphere with a well defined potential function. Moreover, under some geometric assumptions, the noncompact case will be also treated. In this case, the main result is that a homogeneous, proper, noncompact, nondegenerate, gradient Einstein-type manifold is an Einstein manifold.

Support:



Organizers:

