

On Special Coordinate Systems

Irena Hinterleitner

Department of Mathematics, Brno University of Technology, Czech
Republic

E-mail: hinterleitner.i@fce.vutbr.cz

ABSTRACT

In the present talk we consider the problem of the existence of pre-semigeodesic coordinates on manifolds with affine connection. We proved that pre-semigeodesic coordinates exist in the case when the components of the affine connection are differentiable functions.