

1032-58-151

**Santiago R. Simanca\*** ([santiago@math.unm.edu](mailto:santiago@math.unm.edu)), Department of Mathematics UNM, University of New Mexico, Albuquerque, NM 87131. *Special Reeb vector fields on Sasaki manifolds.*

We describe the energy functional of a Reeb vector field on a Sasaki manifold, and derive its first variation. We exhibit some examples of Reeb fields satisfying this Euler-Lagrange equation. (Received August 20, 2007)