

1056-01-393

Florin N Diacu* (diacu@uvic.ca), P.O.Box 3060 STN CSC, Victoria, B.C. V8W 3R4. *The n -body problem in spaces of constant curvature.*

This talk traces the history of the n -body problem in spaces of constant curvature, which was initiated for $n = 2$ by Bolyai and Lobachevsky in the 1830s, and studied by many mathematicians, including Dirichlet, Schering, Lipschitz, Killing, Liebmann, Schrödinger, and many others. (Received September 03, 2009)