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**Geodesic
Flows
and
Neumann
Systems
on Stiefel
Varieties.
Geometry**

and Integrability

Yuri N. Fedorov,

Bozidar

Jovanovic

*(Submitted on 8
Nov 2010)*

We
study
integrable
geodesic
flows on
Stiefel
varieties
 $V_{\{n,r\}}$
 $=SO$
 $(n)/SO$
 $(n-r)$
given by
the
Euclidean,
normal