

Properness of moment maps for representations of quivers

By PRADEEP DAS (Allahabad)

Abstract. We show that the moment map for the representations of a quiver is proper if and only if the quiver is acyclic, that is, it does not contain any oriented cycle.

PRADEEP DAS
HARISH-CHANDRA RESEARCH
INSTITUTE, HBNI
CHHATNAG ROAD, JHUNSI
ALLAHABAD 211 019
INDIA

CURRENT ADDRESS:
SCHOOL OF MATHEMATICS
TATA INSTITUTE OF
FUNDAMENTAL RESEARCH
1 HOMI BHABHA ROAD, COLABA
MUMBAI 400 005
INDIA

Mathematics Subject Classification: 16G20, 53D20.

Key words and phrases: quiverrepresentations, proper moment maps.