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# A compactness criterion for quotients associated to linear actions 

Mihai-Sorin STUPARIU

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#### Abstract

Using analytic and symplectic stability, we study the compactness of some geometric quotients corresponding to linear actions. We apply these results for representations of quivers, proving that the compactness of the associated quotients depends only on the combinatorics of the quiver. Key words and phrases : moment map, compactness, representations of quivers Mathematics Subject Classification (2000) : 20G05, 53D20, 16G20


