



Diophantine approximation with restricted numerators and denominators on semisimple groups

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We consider the problem of Diophantine approximation on semisimple algebraic groups by rational points with restricted numerators and denominators and establish a quantitative approximation result for all real points in the group by rational points with any prescribed denominator and an almost prime numerator.

Subjects: **Dynamical Systems (math.DS)**; Number Theory (math.NT)

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