

# ORBITS ON THE DOUBLE FLAG VARIETIES AND QUIVER REPRESENTATIONS

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## ABSTRACT

I will introduce the recent work of Dr. Hiroki Homma on the parametrization, in terms of root systems, of orbits on a double flag variety of finite type of type A, i.e., the product of the flag variety of a reductive group of a general linear group and that of its symmetric subgroup with finitely many orbits. The framework is in the representations of quivers, an extension of the case of multiple flag varieties by Magyar-Weyman-Zelevinski.

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