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**Conjugacy Classification  
of Quaternionic Möbius Transformations**

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**Abstract.** It is well known that the dynamics and conjugacy class of a complex Möbius transformation can be determined from a simple rational function of the coefficients of the transformation. We study the group of quaternionic Möbius transformations and identify simple rational functions of the coefficients of the transformations that determine dynamics and conjugacy.

**Keywords.** Möbius transformations, quaternions, conjugacy, dynamics.

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