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John P. D'Angelo* (jpda@illinois.edu), Dept. of Mathematics, 1409 W. Green St., Urbana, IL 61801. *Rational sphere maps.*

I will discuss a classification result for rational sphere maps that generalizes a result I proved some years ago for polynomial sphere maps. I will emphasize the case when the denominator is of first degree. Given the map, finitely many Whitney tensor product operations convert it into a map that depends on a linear transformation L , and a certain Hermitian form must satisfy a non-negativity condition. The spectrum of L is related to the denominator of the map. (Received January 12, 2016)