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Magali Folch-Gabayet* (folchgab@matem.unam.mx). *A geometric inequality in harmonic analysis.*

We show how an affine invariant inequality for general rational functions can be used to obtain sharp universal estimates for various problems in euclidean harmonic analysis defined with respect to the so-called affine arclength measure.

This is joint work with Spyridon Dendrinos and James Wright. (Received April 09, 2010)