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Fengbo Hang* (fhang@math.princeton.edu), Dept of Math, Princeton University, Fine Hall,
Washington Road, Princeton, NJ 08544. *On the integral systems related to
Hardy-Littlewood-Sobolev inequality.*

We will discuss the regularity and symmetry property for the solutions to the Euler-Lagrange equation of the functional associated with the classical Hardy-Littlewood-Sobolev inequality. (Received March 02, 2006)