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Laura Colmenarejo*, laura.colmenarejo.hernando@gmail.com, and **Jean-Gabriel Luque** and **Charles F. Dunkl**. *Macdonald polynomials: from vector-valued polynomials to scalar polynomials.*

We analyze conditions under which a projection from the vector-valued Macdonald polynomials to scalar polynomials has useful properties, especially commuting with the actions of the Hecke algebra, and with the Cherednik operators for which these polynomials are eigenfunctions. (Received February 12, 2018)