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Avi Steiner* (asteine9@uwo.ca). *Computing D -annihilators of algebraic functions.*

Let u be an algebraic function in the variables x_1, \dots, x_n , and let D be the Weyl algebra in the x 's. I will discuss how to use the notions of integration ideal and Weyl closure to easily compute the annihilator $\text{ann}_D(u)$ in Macaulay2. (Received February 02, 2020)