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Dan Coman* (dcoman@syr.edu), Department of Mathematics, 215 Carnegie Bldg, Syracuse University, Syracuse, NY 13244-1150. *Equidistribution results for big line bundles.*

We show that normalized currents of integration along the common zeros of random m -tuples of sections of powers of m singular Hermitian big line bundles on a compact Kähler manifold distribute asymptotically to the wedge product of the curvature currents of the metrics. As an application, we give sufficient conditions ensuring that the wedge product of the curvature currents of m singular Hermitian big line bundles can be approximated by analytic cycles. The results are joined with George Marinescu and Viêt-Anh Nguyễn. (Received January 22, 2017)