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Ricardo Estrada* (restrada@cariari.ucr.ac.cr). *The distributional and average behavior of generalized functions*. Preliminary report.

We study the close ties between the parametric and the average or Cesaro-Riesz behavior of generalized functions. We apply these ideas to the study the asymptotic behavior of the Hilbert transforms of generalized functions. (Received September 29, 2000)