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Manjunath Krishnapur* (manju@stat.berkeley.edu), 367 Evans hall, Department of Statistics, U C Berkeley, Berkeley, CA 94720. *Zeroes of random analytic functions.*

We present models of random analytic functions (existing in the literature) on the plane, the sphere and the unit disk under the corresponding group of isometries. We then show how to generate many more stationary zero sets of (non Gaussian) random analytic functions using these as building blocks. In some particular cases, the zeroes turn out to be also determinantal point processes. (Received March 03, 2006)