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**Ingrid Daubechies\*** ([ingrid@math.duke.edu](mailto:ingrid@math.duke.edu)), Math Department, Campus Box 90320, durham, NC 27708. *Phase retrieval on infinite dimensions.*

Retrieving an arbitrary signal from the magnitudes of its inner products with the elements of a frame is not possible in infinite dimensions. Under certain conditions, signals can be retrieved satisfactorily however. (Received August 22, 2016)