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Greg Muller*, 1211 CAMDEN WAY, NORMAN, OK 73069, and **Roi Docampo**. *Quasiperiodic linear recurrences*. Preliminary report.

Given a linear recurrence, one may ask if every solution is periodic, or more generally ‘quasiperiodic’ (periodic up to scaling). We provide several determinantal characterizations of these linear recurrences, including a surprising duality.

We demonstrate that varieties parametrizing these linear recurrences have a cluster structure dual to the ‘positroid’ varieties in Grassmannians. This includes a boundary measurement map dual to Postnikov’s theory for positroids. (Received September 02, 2019)