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DeKalb, IL 60115. *An analogue of continued fractions in number theory for Nevanlinna theory.*

We show an analogue of continued fractions in approximation to irrational numbers by rationals for Nevanlinna theory. The analogue is a sequence of points in the complex plane which approaches a given finite set of points and at a given rate in the sense of Nevanlinna theory. (Received September 26, 2005)