TEMPLE UNIVERSITY

Department of Mathematics

Analysis Seminar

Room 617 Wachman Hall

Monday, April 25, 2016, 2:40 p.m.

On the numerical solution of the far field refractor problem

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Abstract: I will describe an algorithm to solve the refractor problem to arbitrary precision. The motivation is to design a lens that focuses all rays from a point source into a given image.

I will show a numerical implementation of the algorithm and examples.