

1030-32-210

**Laszlo Lempert\*** ([lempert@math.purdue.edu](mailto:lempert@math.purdue.edu)), Mathematics, Purdue University, 150N  
University street, West Lafayette, IN 47906. *Holomorphic approximations in Banach spaces.*

The question this talk will address is the following. Given a holomorphic function on a ball in a complex Banach space, is it possible to approximate it by entire functions, uniformly on smaller concentric balls? We will discuss motivation, results both positive and negative, and an open problem. (Received August 03, 2007)