

1046-42-1177

Leonid Slavin* (leonid@math.missouri.edu). *Bellman function in non-local settings*. Preliminary report.

In recent years, an improved Bellman methodology has led to many new explicit Bellman functions in important applications. However, these new findings have been restricted to local and semi-local settings (such as the exponential integral and the dyadic maximal operator, respectively). In this talk, we discuss possible non-local applications, such as the norms of Fourier multipliers on L^p and BMO. (Received September 15, 2008)