

1125-30-860

Alexei Poltoratski* (alexeip@math.tamu.edu). *Toeplitz Order*.

We discuss a partial ordering of the set of inner functions induced by Toeplitz operators. A study of the Toeplitz ordering connects several well-known problems of analysis, including the two-weight Hilbert problem, the Beurling-Malliavin problem on completeness of exponential functions, spectral problems for differential operators, etc. In my talk I will discuss classical results, translated in terms of Toeplitz ordering, as well as new results and further questions. (Received September 12, 2016)