ON TRUNCATIONS OF HANKEL AND TOEPLITZ OPERATORS

ALINE BONAMI AND JOAQUIM BRUNA

Abstract

We study the boundedness properties of truncation operators acting on bounded Hankel (or Toeplitz) infinite matrices. A relation with the Lacey-Thiele theorem on the bilinear Hilbert transform is established. We also study the behaviour of the truncation operators when restricted to Hankel matrices in the Schatten classes.