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Eva Kasprikova* (ekasprik@fau.edu), Florida Atlantic University, Department of
Mathematical Sciences, 777 Glades Road, Boca Raton, FL 33431. *Compactness of Operators on
Banach Function Spaces.*

We study criteria for compactness of operators acting on function spaces and show applications to Riesz potentials.
Extensions to interpolation spaces will be discussed. (Received February 07, 2006)