

NAKANO-ORLICZ SEQUENCES SPACES

Shahid Ali

Abdus Salam School of Mathematical
Sciences

In this talk I plan to discuss Nakano-Orlicz sequences spaces. These are Banach sequence spaces given by a modular, and for this reason it is also reasonable to call them variable exponent Lebesgue sequence spaces. I'll describe a number of simple statements (worked out as a preliminary part of my thesis) which will show that these spaces are different from the classical Lebesgue sequence spaces in a number of ways, however, for certain choices of the modulars they provide the scale of classical sequence spaces. At the end we will discuss the Schur property of Nakano-Orlicz sequence spaces following Nakano himself. A Banach space has Schur property if every weakly convergent sequence is normed convergent.

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NATIONAL CENTER FOR MATHEMATICS &
ABDUS SALAM SCHOOL OF MATHEMATICAL
SCIENCES,
GC UNIVERSITY, LAHORE