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Abstracts of Short Communications and Posters

Section:

8. Analysis

1991 MS Classification: 46
Azimi, Parviz, University of Sistan and Baluchestan, Iran
A class of hereditarily complementably ℓ_p Banach spaces
We construct a class of separable Banach sequence spaces. A member X of this class (i) is hereditarily complementably ℓ_p $(1 \le p < \infty)$ dual space with the *Radon-Nykodym* property, (ii) if $Y^\star = X$, there are many complemented subspaces of Y isomorphic to ℓ_q where $\frac{1}{p} + \frac{1}{q} = 1$, and (iii) X is a quasireflexive Banach space with a subsymmetric basis which as a consequence of (i) is not prime.
Reference : Azimi, P., Hagler, J. : Examples of hereditarily ℓ^1 Banach spaces failing the Schur property. *Pac. J. math.* **122**(1986), 287-297