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Direct Sums and the Schur Property

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**Abstract:** It is a known fact that  $\ell^1$ , the dual space of the null sequences  $c_0$ , has the Schur property, that is, weakly convergent sequences in  $\ell^1$  are norm convergent. In this paper, we prove that if  $(X_\alpha)_{\alpha \in I}$  are Banach spaces and  $X = (\oplus_{\alpha \in I} X_\alpha)_1$  their  $l_1$ -sum, then the space  $X$  has the Schur property iff each factor  $X_\alpha$  has it.

**Key Words:** Schur property, Banach spaces. AMS Subject Classification: 46 B 20.

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