## ON APPROXIMATION OF BANACH LIMITS BY ELEMENTS OF SPACE $\mathbf{l}_1$

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The article is devoted to consideration and solution of the problem of Banach Limits approximation by the elements of space  $\mathbf{l}_1$  which was posed by J. Appel, E. De

Pascaleand P. P. Zabrejko. As an application we solve one problem of C. V. Konyagin, concerning the properties of Banach Limits characteristic function.