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Anton R Schep* (schep@math.sc.edu), Dept. of Mathematics, University of South Carolina, Columbia, SC 29208. *Cone isomorphisms and almost surjective operators.*

Let E be a Banach lattice and F a Banach space. A bounded linear operator $T : E \rightarrow F$ is an isomorphism on the positive cone of E if and only if T^* is almost surjective. A dual version of this theorem holds also. A bounded linear operator $T : F \rightarrow E$ is almost surjective if and only if T^* is an isomorphism on the positive cone of F^* . Special attention will be given to positive cone isometries defined on L^p -spaces. (Received November 19, 2012)