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6188 Kemeny Hall, Hanover, NH 03755. *Group Bundle Duality*.

Given an abelian group bundle  $S$  with an open bundle map one can use operator algebras and universal constructions to define a dual group bundle. I will present a Pontryagin duality theorem which states that  $S$  is naturally isomorphic to its double dual. I will also describe how this theorem fits the themes of my current research. (Received September 08, 2008)