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James Schrader* (james.schrader338@my.lincolnu.edu), 821 Taylor Drive, Department of
Mathematics, Lincoln University, Jefferson City, MO 65102. *Infimal Convolution of Convex
Set-Valued Mappings.*

In this presentation, we first defined the supremum of a Set-valued mapping in a real linear topological space which is partially ordered by a Dedikind complete cone. Then we would tackle the convexity of set valued mappings and derive some infimal convolution properties for convex valued mappings. (Received September 17, 2013)