

Turkish Journal of Mathematics

Turkish Journal



ON AFFINE SELECTION AND SEPARATION OF VECTOR VALUED FUNCTIONS

of

S. ALPAY, Z. ERCAN

Mathematics

Abstract: Let K be a Choquet simplex, E a Fréchet space and $\Phi: K \rightarrow 2^E$ a map such that $\Phi(x)$ is closed and convex for each $x \in K$. A sufficient condition is given for Φ to have a continuous affine selection. This is employed to prove a separation theorem for vector valued semicontinuous functions from a Choquet simplex into an ordered Fréchet space.

 [Keywords](#)
 [Authors](#)

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Math., vol.20,iss.4.](#)



math@tubitak.gov.tr

[Scientific Journals Home
Page](#)