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Über die Existenz stetiger einzelwertiger Näherungen zusammengesetzter mengenwertiger Abbildungen mit konvexen kompakten Bildern. (On the existence of continuous single-valued approximations of multivalued mappings with convex compact images). (German)

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We prove an approximation property by single valued continuous mappings for a certain kind of set-valued mappings with non-convex images that may be useful for proving the existence of solutions for equations involving such mappings.

MSC:

54C60 Set-valued maps in general topology

Keywords:

approximation property; single valued continuous mappings; set-valued mappings; non-convex images