Document Type Document Title	: Thesis : <u>S-Hyperbarreled spaces</u> (S) فرا غات فوق البر ميلية من النوع
Document Language Abstract	 : Arabic : We .introduce a new class of semi-convex spaces calledS-hyperbarrelled spaces and study some results about these spaces. Some of these results are the following: Let E be an S-hyperbarrelled space, F a semi-convex space and f Eof a linear, sequ.entially continuous and almost sequentially open map. Then F is an S-hyperbarrelled space. ii. Let E be an S-hyperbarrelled space and F a semi-convex space. Iff E~F is a linear mapping, thenfis almost sequentially continuous. iii. Let E be an S-hyperbarrelled space and F a semi-convex space. Then each simply bounded set H of linear sequentially continuous mappings from E to F is equi-sequentially continuous. We also obtain analogues of two well-kno\vn theorems of functional analysis, namely, the closed graph theorem and Banach-Steinhaus theorem for S- hyperbarrelled space and F a complete metrizable semi-convex space. Iff is a linear mapping of E into F such that the graph 9r of f is sequentially closed, thenfis sequentially continuous. The Banach-Steinhaus theorem if the, following: Let E be S- hyperbarrelled space and F a semi-convex space. If this is a sequence of linear, sequentially continuous mappings from E toF such that tifn} converges
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