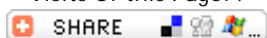




- > MainPage
- > About College
- > Files
- > Researches
- > Courses
- > Favorite Links
- > Our Contacts

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Research Details :

Research Title : HS-Spaces (HS) فراغات

Descriptipn : A grothndieck, a french mathematics in functional analysis, proved that a materizable locally convex space X is distinguished if and only if the strong dual of X is bornolgal. In 1975 a generalization of distinguished space was introduced. It is called a Hussain space. One the of the results proves Hussain space, which is similar to Grotheniecks result is that a Husain space E is distinguished if and only if the strong dual E if quasiberrelled. In the thesis we introduce a generalization of Husain space which we have called HS-space. We prove some results for HS-Space which are similar to Grothendiecks result. One of the results is that a HS-Space E is Hussain space if and only if the strong dual of E is countably quasibarrelled. Another results is that a HS-Space E is distinguished if and only if the strong dual of E is quassibarrelled. We also introduce sequentially HS-Space which generlized HS-spaces and prove some results

Research Type : Master

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