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拓扑空间中Fan-Browder映射的连续选择定理及其应用

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摘要: 首先, 在不具有任何凸性结构的拓扑空间中引入Fan-Browder映射的概念. 然后, 证明了一个新的关于Fan-Browder映射的连续选择定理, 其中定义域是非紧的, 值域是不具有任何凸性结构的拓扑空间的子集. 作为应用, 给出了一些不动点定理、叠合点定理和一个非空交定理. 这些新的概念和定理统一和推广了许多已有的结果.

关键词: Fan-Browder映射; 连续选择; 不动点; 叠合点
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