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Mohammed N. Murad* (muradkakaee@yahoo.com), University of Sulaimani faculty of Science, School of Science, Mathematics Department, Sulaimani, Sulaimani 00964, Iraq. *Topologically Beta-Type Transitive Maps.*

In this paper, we define and introduce a new type of topological transitive map called topological β -Type transitive map and investigate some of its properties. Further, we introduce the notions of β -minimal mapping. We have proved that every topological β -type transitive map is a topological transitive map as every open set is β -open set but the converse not necessarily true, and that every β -type minimal map is a minimal map as every open set is β -open set, but the converse not necessarily true. (Received May 14, 2014)