

2012-04-03

The Use of Point Pattern Statistics in Urban Analysis

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Year:	2012-04-03
Author:	Pissourios, Ioannis ; Lafazani, Pery ; Spyrellis, Stavros ; Christodoulou, Anastasia ; Myridis, Myron
Abstract:	<p>This paper explores the use of point pattern statistics in urban analysis. The study adopts a systems view of urban space and identifies three discernible tiers for the analysis of the latter. For each of these tiers, it is demonstrated how certain tools and methods of point pattern analysis, can be utilized for the quantification of urban uses' spatial patterns. Significant attention is also given to the selection of the most appropriate methods, as some of these are more useful than others for urban analysis. Furthermore, the study suggests a technique for the synthesis of the results of this three tiered urban analysis into a single graphical representation.</p>