



Establishment of space syntax to read urban road network; the case of Sari, Iran

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ABSTRACT

Cities have permanent changes as a living organism, where the transformation required in designing a solution for structural and social demands achieving safe and healthy human contacts. Some scholars divide city sustainable development toward two main views, as the building's set are connected by a space, on the other hand human social actions are linked by urban network interaction. The aim of this paper is to study on urban road network by the establishment of space syntax logic, this issue is divided into two main parts, as a first part, the study on already existing and the second part is bringing the new suggestions to a more qualified urban road network. Sari city of Iran is selected for this Case Study.

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1. Introduction

Nowadays, urbanization has found a key role in our lifetime that the understanding of urban growth could be the ability to plan the future directions this issue caused with urbanization being a variable and complex phenomenon. Cities with permanent changes are living organisms that require this transformation design solution for structural and social demands to achieve safe and healthy human contacts (Önder, D.E., Gigi, Y., 2010). Some scholars divide cities sustainable development toward two main views, as the building's set are connected by a space, on the other hand human social actions are linked by urban network interaction. Urban

networks as a society infrastructure have a crucial role in reaching success and sufficient access to different resources (Vaughan, 2007).

The issue of predicting and providing is a base of the traditional view of transportation planning that in modern society has been discontinued. Recent studies have changed their design concept to numerical and computational by the establishment of mathematical and physical science. From this view, urban spaces could have

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