

Simulation model of urban spatial development of Chabahar in Horizon year 1420

Abstract

Increasing urban population growth and increased migration to the cities need guidance improper conscious and spatial organization has doubled. The forecast for planned urban development and providing opportunities for growth in the future is essential. This study sought to assess the spatial-physical development of land in the city of Chabahar and assess changes in the years 1370 to 1393 and then in 1420 to predict the changes to the solar calendar. The study is cross-sectional. Therefore, to measure the spatial-physical development of cities and Gary, Moran coefficient for the changes occurring in the area of Landsat satellite images for the years 1370, 1380 and 1393 were analyzed. Data analysis softwares ARC GIS, ENVI and IDRISI has been used. And predict user changes to year 1420 by using Markov chains and CA shown. Results suggest that factor and Gary and Moran, respectively (Moran coefficient 0.32-), (Gary coefficient 0.33), which indicated the growth pattern is the improper. And also based on the results forecast spatial-physical development of the city on the horizon in 1420 show that the physical expansion led to the compression screw. This means that from 1370 to 1380, on average, in each year of 43.5 hectares and 59.5 hectares from 1380 to 1393, 13 years of the show, and on the horizon in 1420 to 28.7 hectares in will. At the end of strategies such as: monitoring of the metropolitan area, using Anbvh-Sazy way, the realization of smart urban growth, disassemble futures perspective to the city and was proposed.

Key Words: Simulation, space-physical development of urban and Gary Moran, Ka Markov, Chabahar



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