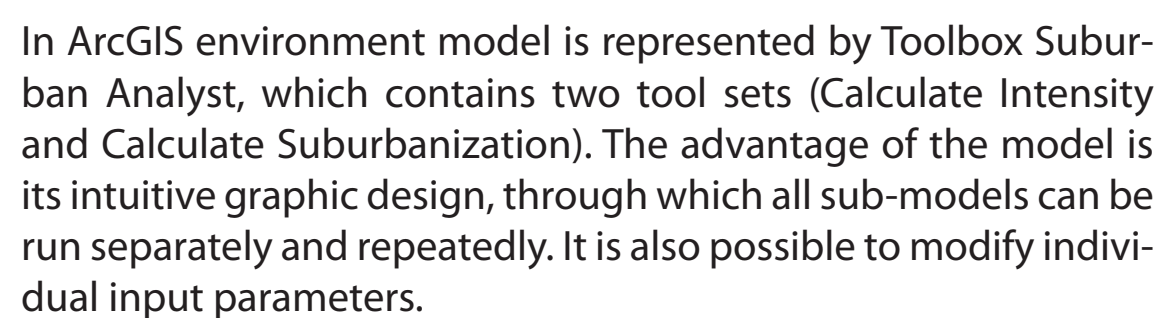


Functional Urban Area (FUA ) delimits the area that has strong precondition for the process of suburbanization.



After the definition of FUA the period in which the populations of central city (Olomouc) fall down due to population migration is set. This period of high probability of suburbanization (1996 - 2008) was estimated on data from the Czech Statistical Office through migration balance. To determine the intensity of suburbanization by the model, following criteria were defined: the migration intensity (weight 0.4), the built-up areas intensity (0.3), the housing intensity (0.2) and the commuting intensity (0.1). To calculate the intensity of suburbanization weights of individual criteria were fixed according to multi criteria analysis.

In the final step the values of suburbanization intensity are calculated by influence of Olomouc city (proportion of cumulative number of immigrants from Olomouc to the cumulative number of all immigrants to the community for the period 1996-2008).

According to the results of model "Suburban Analyst" is possible to estimate 21 municipalities in which the suburbanization intensity (influence of all municipalities) is higher than average value (2.13). The highest values of suburbanization intensity are in following municipalities: Hlušovice, Bystrovany, Dolany, Bukovany, Továř, Samotšický, Velký Týnec and Mřkslky.