

## Analysis of the Decoupling Relationship between Urban Green Development and the Level of Regional Integration Based on the Tapio Model

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**Abstract :** Exploring the relationship between urban green development and regional integration level is of great significance for realising regional high quality and sustainable development. Based on the Tapio decoupling model and the theoretical framework of urban green development and regional integration, this paper builds an analysis system, makes a quantitative analysis of urban green development and regional integration level in a certain period, and discusses the relationship between the two. It also takes China's Yangtze River Delta urban agglomeration as an example to study the degree of decoupling, the type of decoupling, and the trend of the evolution of the spatio-temporal pattern of decoupling between the level of urban green development and the level of regional integration in the period of 2014-2021, with the aim of providing a useful reference for the future development of the region.

**Keywords :** regional integration, urban green development, Tapio decoupling model, Yangtze River Delta urban agglomeration

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