

## The Spatial Characteristics and Development Trends of Technology Flow in Metropolitan Regions

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### Abstract

In the era of innovation, metropolitan regions have been playing increasingly important roles in global competition with their strong agglomeration effect. From the perspective of patent transfer, this report studies the spatial evolution characteristics and determinants of emerging technologies in China's metropolitan regions, and provides solutions to regional development. The results are threefold. First, technology flows are not evenly distributed, most of them occur in metropolitan regions, presenting new models of spatially adjacent transfer and parallel transfer. Secondly, sharing, learning, and matching effects are key driving factors behind the phenomenon. Thirdly, the coupling of 'innovation peak' and 'industrial highland' is conducive to continuously improving the comprehensive competitiveness of metropolitan regions.

### Key Words

Metropolitan Region; Technology Flow; Spatially Adjacent Transfer; Innovation Peak; Industrial Highland