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| Autore                  | Papadimitriou Fivos   |
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| ISBN                    | 9783031821363<br>303182136X   |
| Edizione                | [1st ed. 2025.]   |
| Descrizione fisica      | 1 online resource (116 pages)   |
| Collana                 | SpringerBriefs in Computational Intelligence, , 2625-3712   |
| Disciplina              | 006.3   |
| Soggetti                | Artificial intelligence<br>Computer science<br>Computer science - Mathematics<br>Artificial Intelligence<br>Computer Science<br>Mathematical Applications in Computer Science   |
| Lingua di pubblicazione | Inglese   |
| Formato                 | Materiale a stampa  |
| Livello bibliografico   | Monografia  |
| Nota di contenuto       | Chapter 1. The Rise of Spatial AI -- Chapter 2. Spatial AI in Symbolic and Evolutionary AI -- Chapter 3. Spatial AI from Generative AI and ChatGPT -- Chapter 4. Spatial AI in Robotics and Spatial Computing -- Chapter 5. Spatial AI for Artificial General Intelligence -- Chapter 6. Spatial AI for Artificial Super-Intelligence -- Chapter 7. Spatial AI, Quantum AI and Transcomputation -- Chapter 8. AI and Spatial Complexity.  |
| Sommario/riassunto      | This is the first book that focuses on the full range of spatial aspects of Artificial Intelligence. Spatial AI is defined here as - AI that is generated from spatial data, or - AI that is used for spatial analysis and spatial problem-solving, or - AI that is embedded in spatial (physical and/or digital) domains. The reader is presented with a comprehensive exploration of the rise of Spatial AI in the last decades, its applications in spatial analysis and its relationships with GeoAI, Evolutionary AI and Spatial Computing. With chapters addressing the spatial aspects of AI in the context of GenAI, AR, robotics, digital twins etc, it is a valuable resource for those who seek to explore the immense potential of Spatial AI, its possible limitations in terms of energy and computability, |

as well as its future prospects towards spatially-enabled AGI and Artificial Super-Intelligence.

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