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Nota di contenuto	Frontmatter -- Contents -- Acknowledgements -- Introduction -- Research with Subsymbolic AI -- When Achilles met the tortoise -- From algorithmic thinking to thinking machines -- A new canary in the coal mine? -- Cross-interactions between AI and epistemology -- AI and the work of patterns -- Artificial Intelligence in medicine -- Subsymbolic, hybrid and explainable AI -- AI-based approaches in Cultural Heritage -- Interfaces of AI -- Media and the transformative potential of AI in the scientific field -- Putting the AI into social science -- Science in the era of ChatGPT, large language models and generative AI -- The current state of summarization -- Opacity and reproducibility in data processing -- AI in mathematics -- Artificial Intelligence as a cultural technique -- List of contributors -- Editorial
Sommario/riassunto	How do artificial neural networks and other forms of artificial intelligence interfere with methods and practices in the sciences? Which interdisciplinary epistemological challenges arise when we think about the use of AI beyond its dependency on big data? Not only the natural sciences, but also the social sciences and the humanities seem to be increasingly affected by current approaches of subsymbolic AI, which masters problems of quality (fuzziness, uncertainty) in a hitherto unknown way. But what are the conditions, implications, and effects of these (potential) epistemic transformations and how must research on AI research be configured to address them adequately?