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Titolo	Paths : why is life lled with so many detours? // by András Gulyás, Zsolt Heszberger, József Biró
Pubbl/distr/stampa	Springer Nature, 2021 Cham, Switzerland : , : Springer International Publishing : , : imprint : Birkhäuser, , [2021] ©2021
ISBN	3-030-47545-X
Descrizione fisica	1 online resource (xxv, 86 pages) : illustrations, charts; digital, PDF file (s)
Disciplina	510
Soggetti	Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. The Introduction: Long and Winding Roads -- 2. Everybody Loves Roundabouts -- 3. The Forest of Alternative Choices -- 4. Straight to the Point: A Short Chapter about the Shortest Paths -- 5. Finding your Way Through the Maze -- 6. On the Trail of Nature: Collecting Scientific Evidence -- 7. The Universal Nature of Paths -- 8. Amazing Scientific Discoveries: Aspirin, Cattle, Business Communication and others -- 9. Paths to the Way We Live, Teach and Learn -- 10. The Path is the Goal!.
Sommario/riassunto	This open access book explores the amazing similarity between paths taken by people and many other things in life, and its impact on the way we live, teach and learn. Offering insights into the new scientific field of paths as part of the science of networks, it entertainingly describes the universal nature of paths in large networked structures. It also shows the amazing similarity in the ways humans and other – even nonliving – things navigate in a complex environment, to allow readers to easily grasp how paths emerge in many walks of life, and how they are navigated. Paths is based on the authors recent research in the area of paths on networks, which points to the possible birth of the new science of “paths” as a natural consequence (and extension) of the science of “networks.” The approach is essentially story-based, supported by scientific findings, interdisciplinary approaches, and at

times, even philosophical points of view. It also includes short illustrative anecdotes showing the amazing similarities between real-world paths and discusses their applications in science and everyday life. Paths will appeal to network scientists and to anyone interested in popular science. By helping readers to step away from the “networked” view of many recent popular scientific books and start to think of longer paths instead of individual links, it sheds light on these problems from a genuinely new perspective. The path is the goal. The essence behind this short sentence is known to many people around the world, expressed through the interpretations of some of the greatest thinkers like Lao-Tze and Gandhi. It means that it is the journey that counts, not the destination. When speaking about such subjective and intangible things, philosophy and religion are some of the only approaches that are addressed. In this book, the authors address this conventional wisdom from the perspective of natural science. They explore a sequence of steps that leads the reader closer to the nature of paths and accompany him on the search for “the path to paths”.

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Descrizione fisica 1

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