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_	lota di contenuto	The sun among the stars Sunspots and starspots : a historical introduction Overall structure of a sunspot Final structure of the umbra Fine structure of the penumbra Oscillations in sunspots Sunspots and active regions Magnetic activity in stars Starspots Solar and stellar activity cycles Solar and stellar dynamos Solar activity, space weather, and climate change The way ahead Appendix 1 : Observing techniques for sunspots Appendix 2 : Essentials of magnetohydrodynamic theory.
S	Sommario/riassunto	The past two decades have seen remarkable advances in observations of sunspots and their magnetic fields, in imaging of spots and fields in distant stars and in associated theoretical models and numerical simulations. This book provides a comprehensive combined account of the properties of sunspots and starspots. It covers both observations

and theory, and describes the intricate fine structure of a sunspot's magnetic field and the prevalence of polar spots on stars. The book includes a substantial historical introduction and treats solar and stellar magnetic activity, dynamo models of magnetic cycles, and the influence of solar variability on the Earth's magnetosphere and climate. This volume is a valuable reference for graduate students and specialists in solar and stellar physics, astronomers, geophysicists, space physicists and experts in fluid dynamics and plasma physics.