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Autore	Parker E. N (Eugene Newman), <1927-2022, >
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Sommario/riassunto	Expanding upon the ideas first proposed in his seminal book <i>Cosmical Magnetic Fields</i> , Eugene N. Parker here offers the first in-depth treatment of the magnetohydrodynamic theory of spontaneous magnetic discontinuities. In detailing his theory of the spontaneous formation of tangential discontinuities (current sheets) in a magnetic field embedded in highly conducting plasma, Parker shows how it can

be used to explain the activity of the external magnetic fields of planets, stars, interstellar gas clouds, and galaxies, as well as the magnetic fields in laboratory plasmas. Provocative and fascina
