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Autore	Ball Philip <1962->
Titolo	Shapes : Nature's Patterns [[electronic resource]] : a tapestry in three parts / / Philip Ball
Pubbl/distr/stampa	Oxford, : Oxford University Press, 2009
ISBN	0-19-161985-X 1-282-19937-4 0-19-152873-0
Descrizione fisica	1 online resource (308 pages, 8 unnumbered pages of plates) : illustrations (some color)
Disciplina	500.201185
Soggetti	Pattern formation (Biology) Pattern formation (Physical sciences) Chaotic behavior in systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Nature's patterns is a trilogy composed of Shapes, Flow, and Branches."
Nota di bibliografia	Includes bibliographical references ([295]-301) and index.
Nota di contenuto	The shapes of things : pattern and form -- Lessons of the beehive : building with bubbles -- Making waves : stripes in a test tube -- Written on the body : hiding, warning, and mimicking -- Rhythms of the wild : crustal communities -- How does your garden grow? : the mathematics of a daisy -- Unfolding the embryo : the formation of body plans.
Sommario/riassunto	Patterns are everywhere in nature--in the ranks of clouds in the sky, the stripes of an angelfish, the arrangement of petals in flowers. Where does this order and regularity come from? As Philip Ball reveals in <i>Nature's Patterns: A Tapestry in Three Parts</i> , this order creates itself. The patterns we see come from self-organization. Indeed, scientists have found that there is a pattern-forming tendency inherent in the basic structure and processes of nature, whether living or non-living, so that from a few simple themes, and the repetition of simple rules, endless beautiful variations can arise.