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Openness. An Approach to Integrate Active Material Behavior into Digital Design Practice -- To Build a Fish. Structuring Space and Material in Skeletons -- The Role of Mechanics in the Growth and Modeling of Biological Materials -- Expansions and Imperfections. Experiments on a Self-Morphing Lattice. Attempts at Explementation. Combining Material and Symbolic Operations in Art and Design Research -- Afterword -- Biographies -- Image Credits -- Acknowledgments.

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## Sommario/riassunto

Was haben die Schaffensprozesse eines Neurochirurgen und einer Malerin gemeinsam? Mithilfe der Definitionen von „Design“, „Gestaltung“ und „Formativität“ wirft dieses Buch ein neues Licht auf die Entstehungs- und Entwicklungsprozesse der materiellen Welt. TheoretikerInnen aus unterschiedlichen Disziplinen hinterfragen die etablierten Prozesse der Formgebung, während KünstlerInnen, DesignerInnen, IngenieurInnen und WissenschaftlerInnen ihre kreativen Prozesse vorstellen. Die Leserschaft erhält einen Überblick über das Spektrum an „Philosophien des Gestaltens“ und ist eingeladen über das eigene Schaffen, dessen Möglichkeiten und die damit verbundene Verantwortung der Umwelt gegenüber nachzudenken und ins Handeln zu kommen – nie war es dringlicher, eine neue Beziehung zwischen Materie und Form herzustellen. • Diskussion und Erweiterung der Definitionen von „Design“, „Gestaltung“ und „Formativität“ • Führende internationale TheoretikerInnen äußern sich zum Verhältnis von Materie und Form • Sammlung von neuen sowie erstmals ins Englische übersetzte Schlüsseltexte zum Thema

What do the work processes of a neurosurgeon and a painter have in common? Applying the notions of “Design”, “Gestaltung”, and “Formativität”, this book sheds new light on processes of formation and transformation in the material world we live in. Scholars from the fields of history, philosophy, psychology, media, and cultural studies question established processes of giving form, while artists, designers, engineers, and scientists describe their creative processes. This book provides its readers with an overview of the spectrum of “philosophies of making” and invites them to reflect on their own creative process, its possibilities, and associated responsibilities to the environment, and ultimately to express these in action. There has never been a more urgent need to develop a new relationship between matter and form. • Discussing and expanding the definitions of “Design”, “Gestaltung”, and “Formativität” • Leading international theorists write about the relationship between matter and form • A collection of new texts and first English translation of key texts

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