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Designing Kinetics for Architectural Facades: State Change

Jules Moloney

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#2509338 in Books Jules Moloney 2011-06-05 2011-06-03Original language:EnglishPDF # 1 9.21 x .44 x 6.141, .90 #File Name: 0415610346192 pagesDesigning Kinetics for Architectural Facades State Change | File size: 24.Mb

Jules Moloney : Designing Kinetics for Architectural Facades: State Change before purchasing it in order to gage whether or not it would be worth my time, and all praised Designing Kinetics for Architectural Facades: State Change:

Architectural facades now have the potential to be literally kinetic, through automated sunscreens and a range of animated surfaces. This book explores the aesthetic potential of these new types of moving facades. Critique of theory

and practice in architecture is combined here with ideas from kinetic art of the 1960s. From this background the basic principles of kinetics are defined and are used to generate experimental computer animations. By classifying the animations, a theory of kinetic form called state change is developed. This design research provides a unique and timely resource for those interested in the capacity of kinetics to enliven the public face of architecture. Extra material including animations can be seen at www.kineticarch.net/statechange

About the Author Jules Moloney is Associate Professor in Interdisciplinary Digital Design at the Victoria University of Wellington, New Zealand. His research, creative practice and teaching span the fields of architecture, kinetic art and virtual environments.