

[设计理论]

# “气象设计模型”：气象设计学体系的核心概念研究——中国当代设计学理论体系建构研究系列

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**摘要:** 系统探索中国当代设计学理论体系建构的个案性研究, 重点深入探讨社会设计学体系中的气象设计学体系建构问题。将“气象设计模型”作为气象设计学体系建构的核心概念, 探讨人类气象设计模型的演变及其价值问题, 并将其作为探索气象设计学的首要理论问题。亦即气象模型是一切气象设计的基础。研究气象设计学, 贯彻落实气象高质量发展, 首先要解决“气象设计模型”的理论问题。主要采用文献研究法, 从整体性、系统性、发展性的视角, 综合自然的尺度、机器的尺度和人的尺度, 对AI气象大模型之前的气象模型设计的发展进行了系统地梳理与探讨。从设计学的角度对气象模型设计展开了系统研究, 提出了模型的六种分类、三种尺度、模型的内部设计与外部设计研究框架, 为气象模型设计开辟了“活人”的视角。

**关键词:** 中国当代设计学理论体系建构; 气象设计学体系; 气象设计模型; 气象模型; 模型设计

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## "Meteorological Design Model": Core Concepts in Meteorological Designology System: Research Series on the Construction of the Theoretical System of Modern Designology in China

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**Abstract:** The work aims to systematically explore the case study in construction of the theoretical system of modern designology in China, with a specific focus on the construction of the meteorological Designology system within the social Designology framework. The "Meteorological Design Model" is taken as the core concept in constructing the meteorological Designology system to explore the evolution of human meteorological design models and their value. It delves into the primary theoretical issue in meteorological Designology: meteorological models form the foundation of all meteorological designs. To study meteorological Designology and implement high-quality development in meteorology, addressing the theoretical aspect of the "Meteorological Design Model" is of primary importance. By the method of literature research, the development of meteorological model design before AI meteorological model is sorted out from the perspective of integrity, systematicness and development and combined with the scale of nature, machine and human. The meteorological model design is studied systematically from the perspective of Designology. Six classifications of models, three scales, and a research framework for both internal and external design of models are proposed, thus introducing a "living-human centered" perspective to meteorological model design.

**Key words:** Construction of the Theoretical System of Modern Designology in China; meteorological Designology system; meteorological design model; meteorological model; model design

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