

TANGIBILE & INTANGIBILE/TANGIBLE & INTANGIBLE

Matematica: un tool efficace per capire e interagire con l'arte
Mathematics as a powerful tool to understand and interact with arts

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ABSTRACT

Mathematics offers a formal abstraction of reality and may be applied to any context or domain of knowledge, including design and arts. In the framework of the INTER-CH project, we have been experiencing how mathematics can be useful to approach contemporary art, providing a mathematical interpretation of the "Third Paradise", an artwork by Michelangelo Pistoletto. Representing the artistic symbol by explicit parametric curves and developing an interactive tool to visualise and manipulate the geometry, we allow the user to explore the message of the artist in a completely different perspective. The general aim of the project is creating an interactive and engaging experience for museum visitors by means of innovative physico-virtual interfaces. The design of our application has been built on Ta.bi, a smart table, where it is possible to interact with the digital content through touch and physical tags. The proposed approach may be generalised to other graphical motifs like logos and decorations, distinctive features in industrial design, cultural heritage and architecture.

INTER-CH partners: CNR IMATI, SPX Lab, Fondazione Museo della Ceramica di Savona