

An audiovisual experience from
the producers of "Chaos and Order"

Dimensions

Once Upon Our Reality



Produced by Rocco Helmchen & Johannes Kraas
With kind support by the Zeiss-Planetarium Bochum





Dimensions — Once Upon Our Reality

Can a question itself be more powerful than its answer?

What is "reality"? Is it the interaction of time, space, particles and forces? A hallucination created by billions of neurons in our body? A monolithic mathematical machine? Are there other realities, universes or dimensions? These questions are almost impossible to answer — yet just asking them sparks our imagination.

Artists Rocco Helmchen and Johannes Kraas tackle the big questions in *Dimensions — Once Upon Our Reality*, a worthy successor to their popular 2013 full-dome show *Chaos and Order — A Mathematic Symphony*. The result is a fantastic journey through art and science, accessible to full-dome audiences eager to explore the hidden dimensions of our existence.

The great physicist Albert Einstein once wrote, "The most beautiful thing we can experience is the mysterious. It is the source of all true art and science." The producers took their cue from this quote to focus on the experience of the unknown and the feeling of the invisible universe that makes up the reality we think we know.

Dimensions is an exploration of physics,



quantum mechanics, inner and outer space, and the concept of the multiverse through the lens of art and music, deserving of a spot in every dome's repertoire.



The producers' creativity transports audiences to fascinating worlds, where they find the time and space to think and feel about exciting and thought-provoking questions. The captivating scenes combine science visualizations, artistic interpretation of scientific concepts, and real-time sequences filmed in research laboratories and institutions actually involved in making the groundbreaking observations shaping our concepts of reality. In each act — from "SpaceTime", "Quantum", "InnerSpace OuterSpace", to "Multiverse" — concentrated introductions and philosophical quotes open doors to understanding, visualizing the specific themes in physics, cosmology and math, and taking on the theoretical underpinnings of our everyday experience.

Dimensions expands the concept of an arts and music show, combining carefully measured narration with the key component of music. Johannes' original compositions and orchestrations function as a spark for the audience's emotions, while the sound design enhances and expands Rocco's visuals. Following the principles of "visual music", image and sound influence each other, fusing these

elements into a dynamic harmonious choreography. What remains with audiences is a strong feeling there may be unexplored realms and worlds in and around us.

These dimensions may influence us more strongly than what we already know and think we understand.

Dimensions — Once Upon Our Reality invites audiences to let go, drift away, think big, have fun, and most of all stay curious. It's entertainment, built on and inspired by science and discovery.



Running time: **50:00** Year of production: **2017**
 Suitable for: **General public** Information about: **Particle physics, quantum theory, time, cosmology, multiverse, music.**

Public performance of this show requires the signing of a License Agreement.

<i>Dimensions — Once Upon Our Reality</i>			
MOVIE SIZE	RESOLUTION	20-YEAR LICENSE	PRODUCT CODE
SMALL/MEDIUM	single channel, smaller than 2000 pixels	\$4,350	ROC2-S
LARGE/X-LARGE	single channel, larger than 2000 pixels	\$11,150	ROC2-L
SLICED	multiple channels, pre-sliced	\$16,500	ROC2-G

PRICES INCLUDE encoding/formatting and slicing for most full-dome systems. Contact us for details.



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