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The holographic glass bead game : from superconductivity to time machines

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**The holographic glass bead game:
from superconductivity to time machines**

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The cover shows an allegoric representation of the holographic correspondence as Plato's cave. The material physical reality on the wall of the cave is a projection of ideal holographic archetypes in the bulk. The concept of the cover design is due to Olga Basha, and the concrete realisation is by Marina Vorontsova.

*To my parents Alexander and Valentina,
my wife Olga,
and my sister Anastasia*

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