

Abstract

This dissertation focuses on the problematic of the use of specific virtual representational methods and their influence on the construction of the new visuality. The aim of this dissertation is to show how computer simulations and visualizations used in medical imaging change the way of our apprehension of the world. Nowadays, within academic circles we witness both optimistic and sceptic theories concerning the effects of integration of computer technology and human apprehension. In this work we would like to answer the question about the type of knowledge we gain through virtual visualizations and we would like to prove that virtual simulations don't necessarily have to be a threat but, on the contrary, by developing visual imagination they can support new, creative apprehension of reality.

Key words

Linear perspective, logic of database, narrative, rhizome, scopic regime, simulation, simulacrum, virtuality, vision, visuality, visualization