



Maria Aparecida Viggiani Bicudo (Ed.)

Constitution and Production of Mathematics in the Cyberspace

A Phenomenological Approach

- Presents philosophical investigations of the new ways of teaching, learning and producing mathematics in the cyberspace
- Shows how phenomenology can be assumed to philosophy of mathematics education
- Helps teachers understand how the experience of teaching and learning mathematics is being changed by new technologies

This book brings together various studies that assume phenomenology to analyze how mathematics education is affected by the experience of being in the cyberspace. The authors of the chapters included in this contributed volume work with the theoretical framework developed by authors such as Edmund Husserl, Martin Heidegger and Maurice Merleau-Ponty to investigate how mathematics is produced and comprehended in a new way of being in the world, with digital technologies. The aim of this book is not to explain the tools used and how one works with them in the cyberspace, aiming at better teaching and learning mathematics. Its purpose is to present philosophical investigations that contribute to the understanding of the complexity of the world in which we are being researchers and mathematics teachers. By doing so, Constitution and Production of Mathematics in the Cyberspace – A Phenomenological Approach will help researchers and mathematics teachers understand their role in a world in which the experience of teaching and learning mathematics is being radically changed by new technologies and new ways of being in this world.

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