

Table of contents

Preface.....	5
Stefan Grigutsch DEVELOPMENTS, RECIPROCAL EFFECTS AND FACTORS OF INFLUENCE IN THE ESTIMATION OF PLEASURE, DILIGENCE AND ACHIEVEMENTS	7
Jens Hartmann & Kristina Reiss PROBLEM SOLVING PROCESSES IN A SPATIAL GEOMETRY ENVIRONMENT.....	18
Klaus Hasemann EARLY NUMERACY - RESULTS OF AN EMPIRICAL STUDY WITH 5 TO 7 YEAR-OLD CHILDREN	31
Hans-Wolfgang Henn THE CAS PROJECT <i>MOBILE CLASSROOM</i> IN THE GERMAN STATE BADEN-WUERTTEMBERG.....	41
Konrad Krainer & Elisabeth Thoma ON THE PROFESSIONAL GROWTH OF TWO MATHEMATICS TEACHERS AND THEIR MATHEMATICS DEPARTMENTS	54
Hermann Maier ON PUPILS' TEXTUAL EIGENPRODUCTIONS	75
Carla Merschmeyer-Brüwer HOW DO PRIMARY SCHOOL PUPILS "SEE" AND STRUCTURE TWO-DIMENSIONAL REPRESENTATIONS OF CUBE CONFIGURATIONS?	83
Rainer Neumann STUDENTS'S IDEAS ON THE DENSITY OF FRACTIONS	97
Hans Günter Senftleben MY COLLECTION OF GEOMETRICAL IDEAS – EXPERIENCES AND SUGGESTIONS FOR A CLASSROOM PROJECT ON GEOMETRICAL EIGENPRODUCTIONS IN PRIMARY SCHOOL	105
Günter Törner & Erkki Pehkonen TEACHERS' BELIEFS ON MATHEMATICS TEACHING ASSESSED WITH THE DIONNE METHOD: A CASE STUDY	113
Bernd Wiegand AN ANALYSIS OF REALITY-RELATED TIMMS-ITEMS.....	128
Bernd Wollring PRIMARY STUDENTS' EIGEN-PRODUCTIONS IN SPATIAL GEOMETRY - POSITIONS TOWARDS MATHEMATICS EDUCATION IN PRIMARY SCHOOLS.....	140