Record Nr. UNINA9910971467303321 Autore Brown Tony <1946-> Titolo Mathematics education and language: interpreting hermeneutics and post-structuralism / / by Tony Brown Dordrecht;; Boston,: Kluwer Academic Publishers, c1997 Pubbl/distr/stampa **ISBN** 9780306472139 9786610207626 9781280207624 1280207620 9780306472138 0306472139 Edizione [1st ed. 2002.] Descrizione fisica 1 online resource (281 p.) Mathematics education library;; v. 20 Collana Disciplina 510/.71 Soggetti Mathematics - Study and teaching Language and education Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references (p. [244]-257) and indexes. Nota di contenuto Short Review of Recent Research -- Experiencing Mathematics --Hermeneutics and Mathematics Education -- The Production of Mathematical Meaning: A Post-Structuralist Perspective -- Sharing Mathematical Perspectives -- The Classroom Environment -- Some Lessons -- The Phenomenology of the Mathematics Classroom -- The Teacher's Perspective -- Teacher-Student Interactions -- Developing Teacher Practice -- Conclusion -- Conclusion. Sommario/riassunto Contemporary thinking on philosophy and the social sciences has been dominated by analyses that emphasise the importance of language in understanding societies and individuals functioning within them; important developments which have been under-utilised by researchers in mathematics education. This book reaches out to contemporary work in these broader fields; drawing on original sources in key areas such as Gadamer and Ricoeur's development of hermeneutics, Habermas' work in critical social theory, Schutz's social phenomenology, Saussure's linguistics and the post-structuralist

analysis of Derrida, Foucault and Barthes. Through examining the

writings of these major thinkers it is shown how language is necessarily instrumental in developing mathematical understanding; but a language that is in a permanent state of becoming, resisting stable connections to the ideas it locates. The analysis offered extends from children doing mathematics to teachers inspecting and developing their own professional practices.'.