1.	Record Nr.	UNINA9910140521503321
	Autore	Bianchi Matteo
	Titolo	On Some Axiomatic Extensions of the Monoidal T-Norm Based Logic Mtl : An Analysis in the Propositional and in the First-Order Case / / Bianchi, Matteo
	Pubbl/distr/stampa	Ledizioni, 2011 Milan, Italy : , : Ledizioni LediPublishing, , [2011] ©2011
	ISBN	9788895994567 (PDF)
	Descrizione fisica	1 online resource (162 pages) : illustrations
	Collana	Mathematical Sciences
	Soggetti	Mathematics
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Note generali	Bibliographic Level Mode of Issuance: Monograph
	Nota di bibliografia	Includes bibliographical references and index.
	Sommario/riassunto	The scientific area this thesis belongs to is many-valued logics: this means logics in which, from the semantical point of view, we have "intermediate" truth-values, between 0 and 1 (which in turns are designated to represent, respectively, the "false" and the "true"). The classical logic (propositional, for simplicity) is based on the fact that every statement is true or false: this is reflected by the excluded middle law, that is a theorem of this logic. However, there are many reasons that suggest to reject this law: for example, intuitionistic logic does not satisfy it, since this logic reflects a "constructive" conception of mathematics (see [Hey71, Tro69]).