1. Record Nr. UNINA9910147051703321

Titolo	IEEE standard VHDL analog and mixed-signal extensions : packages for multiple energy domain support / / IEEE Computer Society Design Automation Standards Committee, Institute of Electrical and Electronics Engineers, American National Standards Institute, IEEE-SA Standards Board
Pubbl/distr/stampa	New York, N.Y. : , : Institute of Electrical and Electronics Engineers, , 2005
ISBN	0-7381-4646-3
Descrizione fisica	1 online resource (x, 17 pages)
Disciplina	621.392
Soggetti	Computer hardware description languages - Standards VHDL (Computer hardware description language) - Standards
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	This standard defines a collection of VHDL 1076.1 packages, compatible with IEEE Std 1076.1TM-1999, along with recommendations for conforming use, in order to facilitate the interchange of simulation models of physical components and subsystems. The packages include the definition of standard types, subtypes, natures, and constants for modeling in multiple energy domains (electrical, fluidic, mechanical, etc.).

2.

Record Nr.	UNINA9910865276703321
Autore	Siller Hans-Stefan
Titolo	Researching Mathematical Modelling Education in Disruptive Times / / edited by Hans-Stefan Siller, Vince Geiger, Gabriele Kaiser
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031533228 9783031533211
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (647 pages)
Collana	International Perspectives on the Teaching and Learning of Mathematical Modelling, , 2211-4939
Altri autori (Persone)	GeigerVince KaiserGabriele
Disciplina	510.71
Soggetti	Mathematics - Study and teaching Teachers - Training of Educational technology Mathematics Education Teaching and Teacher Education Digital Education and Educational Technology Ensenyament de la matemàtica Formació del professorat Tecnologia educativa Llibres electrònics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	1. Introduction -- 2. Keynotes -- 3. Theoretical approaches to mathematical modelling -- 4. Teaching mathematical modelling -- 5. Learning mathematical modelling -- 6. Interdisciplinary approaches to mathematical modelling.
Sommario/riassunto	This edited volume documents research on mathematical modelling education, before, during, and after the Covid 19 pandemic. Mathematical modelling is essential for understanding natural and human generated phenomena, and informs decision-making about events such as the pandemic, climate change, and other disruptive events. Communication to the public, often by the media, makes use of

mathematical modelling to justify changes to public policy, as seen during the COVID-19 crisis. Consequently, mathematical modelling has assumed an increasingly prominent role in curricula internationally, providing opportunities to understand how it is used in current circumstances and to plan for the needs of future societies. This book focuses on research on mathematical modelling education and its implementation at school and tertiary level. Contributions to the book and point to directions for further innovation in mathematical modelling education. Authors of this volume are members of the International Community of Teachers of Mathematical Modelling, the peak research body for the teaching and learning of mathematical modelling.