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Titolo	The mathematics of sex [[electronic resource]] : how biology and society conspire to limit talented women and girls / / Stephen J. Ceci and Wendy M. Williams
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2010
ISBN	0-19-773701-3 0-19-988921-X 0-19-973678-2
Descrizione fisica	1 online resource (287 p.)
Altri autori (Persone)	WilliamsWendy M <1960-> (Wendy Melissa)
Disciplina	305.43/5
Soggetti	Women in mathematics - Social aspects Women in science - Social aspects
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 and index.
Nota di contenuto	A multidimensional problem -- Opening arguments: environment -- Opening arguments: biology -- Challenges to the environmental position -- Challenges to the biological position -- Background and trend data -- Comparisons across societies, cultures, and developmental stages -- Conclusions and synthesis -- What next? Research and policy recommendations.
Sommario/riassunto	"Nearly half of all physicians and biologists are females, as are the majority of new psychologists, veterinarians, and dentists, suggesting that women have achieved equality with men in the workforce. But the ranks of professionals in math-intensive careers remain lopsidedly male; up to 93% of tenure-track academic positions in some of the most mathematically-oriented fields are held by men. Three main explanations have been advanced to explain the dearth of women in math-intensive careers, and in The Mathematics of Sex Stephen J. Ceci and Wendy M. Williams describe and dissect the evidence for each." "The first explanation involves innate ability - male brains are physiologically optimized to perform advanced mathematical and spatial operations; the second is that social and cultural biases inhibit females' training and success in mathematical fields; the third alleges

that women are less interested in math-intensive careers than are men, preferring people-oriented pursuits. Drawing on research in endocrinology, economics, sociology, education, genetics, and psychology to arrive at their own unique, evidence-based conclusion, the authors argue that the problem is due to certain choices that women (but not men) are compelled to make in our society; that women tend not to favor math-intensive careers for certain reasons, and that sex differences in math and spatial ability cannot adequately explain the scarcity of women in these fields." "The Mathematics of Sex represents the first time such a thorough synthesis of data has been carried out to solve the puzzle of women's under-representation in math-intensive careers. The result is a readable, engaging account suitable not only for academics in an array of disciplines, but for general readers as well - including educators, science policymakers, parents of daughters, and anyone intellectually curious about a key controversy of our time."--BOOK JACKET.