1.	Record Nr.	UNINA9911020445503321
	Autore	Pregla Reinhold
	Titolo	Analysis of electromagnetic fields and waves : the method of lines / / Reinhold Pregla ; with the assistance of Stefan Helfert
	Pubbl/distr/stampa	Chichester, England ; ; Hoboken, NJ, : J. Wiley & Sons/Research Studies Press, c2008
	ISBN	9786612346231 9781282346239 1282346237 9780470058503 0470058501 9780470058510 047005851X
	Descrizione fisica	1 online resource (523 p.)
	Collana	RSP ; ; v.21
	Altri autori (Persone)	HelfertStefan
	Disciplina	530.14/1
	Soggetti	Electromagnetic devices - Mathematical models Electromagnetism - Mathematics Differential equations, Partial - Numerical solutions
	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	Analysis of Electromagnetic Fields and Waves; Contents; D EQUIVALENT CIRCUITS FOR DISCONTINUITIES; Preface; 1 THE METHOD OF LINES; 1.1 INTRODUCTION; 1.2 MOL: FUNDAMENTALS OF DISCRETISATION; 1.2.1 Qualitative description; 1.2.2 Quantitative description of the discretisation; 1.2.3 Numerical example; 2 BASIC PRINCIPLES OF THE METHOD OF LINES; 2.1 INTRODUCTION; 2.2 BASIC EQUATIONS; 2.2.1 Anisotropicmaterial parameters; 2.2.2 Relations between transversal electric and magnetic fields - generalised transmission line (GTL) equations; 2.2.3 Relation to the analysis with vector potentials 2.2.4 GTL equations for 2D structures2.2.5 Solution of the GTL equations; 2.2.6 Numerical examples; 2.3 EIGENMODES IN PLANAR WAVEGUIDE STRUCTURES WITH ANISOTROPIC LAYERS; 2.3.1 Introduction; 2.3.2 Analysis equations for eigenmodes in planar structures; 2.3.3 Examples of system equations; 2.3.4

Sommario/riassunto	The Method of Lines (MOL) is a versatile approach to obtaining numerical solutions to partial differential equations (PDEs) as they appear in dynamic and static problems. This method, popular in science and engineering, essentially reduces PDEs to a set of ordinary differential equations that can be integrated using standard numerical integration methods. Its significant advantage is that the analysis algorithms follow the physical wave propagation and are therefore efficient. This is because the fields on the discretisation lines are described by generalised transmission line (GTL) equations.

2. Record Nr.	UNINA9910919823703321
Autore	Aplin Rachael
Titolo	Policing Public Protection : A Companion Guide / / edited by Rachael Aplin
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Palgrave Macmillan, , 2024
ISBN	9783031745041
	3031745043
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (405 pages)
Disciplina	363.23
Soggetti	Criminology
	Victims of crimes
	Criminal behavior
	Community development
	Social service
	Family policy
	Critical criminology
	Crime Control and Security
	Victimology
	Criminal Behavior
	Social Work and Community Development
	Children, Youth and Family Policy
	Critical Criminology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1: Introduction to Public Protection -- Chapter 2:Reframing Domestic Abuse: Policing Coercive Control -- Chapter 3: Policing Honour Based Abuse and Forced Marriage -- Chapter 4: Examining Female Genital Mutilation Laws and Improving Policing Responses -- Chapter 5: Policing Child Sexual Abuse and Exploitation -- Chapter 6: Why do police find it so difficult to investigate rape? -- Chapter 7: Policing the Non-Public: Modern Slavery and Human Trafficking -- Chapter 8: Policing responses to child neglect: It's not just about crime

investigation -- Chapter 9: Policing Child Sexual Abuse: Understanding and negotiating the complexities of disclosures -- Chapter 10: Policing Sudden and Unexpected Child Deaths -- Chapter 11: Cybercrime against Older Adult -- Chapter 12: Investigating the 'Doorstep crimes' of Distraction Burglary and Rogue Trader -- Chapter 13:Conclusions.

Sommario/riassunto	This book explores the effective policing of public protection issues, from chapter authors with varied research and practitioner experience. The collection is aimed at detective police officers in specialist units, response and neighbourhood officers, as well as new recruits in policing public protection. Each chapter offers an understanding of victimology, perpetration, and the effective policing and investigation of such crimes. It explores questions such as why crimes happen, who the victims are, what perpetrators do, and why they might target certain victims. This book explores the evidence base, past mistakes, and what effective and professional policing should 'look like'. The intention is to improve the policing and investigation of such complex crimes. Each chapter provides a concise summary, a comprehensive literature review, and a list of key actions for practice that officers should consider. It closes with a list of key resources. These chapters specifically cover the following thematic crime areas such as domestic abuse, child sexual abuse, gendered violence, and trafficking. This book also speaks to local authorities (Social Services, Trading Standards), professionals in Education, Health and Probation, academics, and Non-Government Organisations (NGO) in the charitable sector. Dr Rachael Aplin is Senior Lecturer in Criminology at Leeds Law School at Leeds Beckett University, UK. She has twenty-years' experience as a detective officer with Greater Manchester Police (1994-2016), UK. Her roles included working in Child Protection, the Major Incident Team, Force Intelligence Branch, Crime Training and as a Domestic Abuse lead within a Public Protection Unit. Her previous book is Policing UK Honour Based Abuse Crime (Palgrave Macmillan, 2019).