

1. Record Nr.	UNINA9911093911203321
Autore	Newman Michael Z.
Titolo	Legitimizing television : media convergence and cultural status / / Michael Z. Newman and Elana Levine
Pubbl/distr/stampa	New York : , : Routledge, , 2012
ISBN	1-136-94272-6 1-283-36376-3 9786613363763 0-203-84764-4 1-136-94273-4 9780203847640
Edizione	[1st ed.]
Descrizione fisica	1 online resource (228 p.)
Altri autori (Persone)	LevineElana <1970->
Disciplina	302.23/45 302.2345
Soggetti	Television broadcasting - Social aspects Television - Technological innovations
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	Legitimizing television -- Another golden age? -- The showrunner as auteur -- Upgrading the situation comedy -- Not a soap opera -- The television image and the image of the television -- Technologies of agency -- Television scholarship and/as legitimation.
Sommario/riassunto	Legitimizing Television: Media Convergence and Cultural Status explores how and why television is gaining a new level of cultural respectability in the 21st century. Once looked down upon as a "plug-in drug" offering little redeeming social or artistic value, television is now said to be in a creative renaissance, with critics hailing the rise of Quality series such as Mad Men and 30 Rock. Likewise, DVDs and DVRs, web video, HDTV, and mobile devices have shifted the longstanding conception of television as a household appliance toward a new understanding of TV a

2. Record Nr.	UNINA9911135914703321
Autore	Davies Alan J
Titolo	The finite element method : an introduction with partial differential equations // A.J. Davies
Pubbl/distr/stampa	Oxford ; ; New York, : Oxford University Press, 2011
ISBN	0-19-163034-9 1-283-42690-0 9786613426901 0-19-163033-0
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (308 p.)
Classificazione	SK 910
Disciplina	518/.25
Soggetti	Finite element method Numerical analysis
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	Cover; Contents; 1 Historical introduction; 2 Weighted residual and variational methods; 2.1 Classification of differential operators; 2.2 Self-adjoint positive definite operators; 2.3 Weighted residual methods; 2.4 Extremum formulation: homogeneous boundary conditions; 2.5 Non-homogeneous boundary conditions; 2.6 Partial differential equations: natural boundary conditions; 2.7 The Rayleigh-Ritz method; 2.8 The 'elastic analogy' for Poisson's equation; 2.9 Variational methods for time-dependent problems; 2.10 Exercises and solutions; 3 The finite element method for elliptic problems 3.1 Difficulties associated with the application of weighted residual methods3.2 Piecewise application of the Galerkin method; 3.3 Terminology; 3.4 Finite element idealization; 3.5 Illustrative problem involving one independent variable; 3.6 Finite element equations for Poisson's equation; 3.7 A rectangular element for Poisson's equation; 3.8 A triangular element for Poisson's equation; 3.9 Exercises and solutions; 4 Higher-order elements: the isoparametric concept; 4.1 A two-point boundary-value problem; 4.2 Higher-order rectangular elements; 4.3 Higher-order triangular elements 4.4 Two degrees of freedom at each node4.5 Condensation of internal

nodal freedoms; 4.6 Curved boundaries and higher-order elements: isoparametric elements; 4.7 Exercises and solutions; 5 Further topics in the finite element method; 5.1 The variational approach; 5.2 Collocation and least squares methods; 5.3 Use of Galerkin's method for time-dependent and non-linear problems; 5.4 Time-dependent problems using variational principles which are not extremal; 5.5 The Laplace transform; 5.6 Exercises and solutions; 6 Convergence of the finite element method; 6.1 A one-dimensional example 6.2 Two-dimensional problems involving Poisson's equation 6.3 Isoparametric elements: numerical integration; 6.4 Non-conforming elements: the patch test; 6.5 Comparison with the finite difference method: stability; 6.6 Exercises and solutions; 7 The boundary element method; 7.1 Integral formulation of boundary-value problems; 7.2 Boundary element idealization for Laplace's equation; 7.3 A constant boundary element for Laplace's equation; 7.4 A linear element for Laplace's equation; 7.5 Time-dependent problems; 7.6 Exercises and solutions; 8 Computational aspects; 8.1 Pre-processor 8.2 Solution phase 8.3 Post-processor; 8.4 Finite element method (FEM) or boundary element method (BEM)?; Appendix A: Partial differential equation models in the physical sciences; A.1 Parabolic problems; A.2 Elliptic problems; A.3 Hyperbolic problems; A.4 Initial and boundary conditions; Appendix B: Some integral theorems of the vector calculus; Appendix C: A formula for integrating products of area coordinates over a triangle; Appendix D: Numerical integration formulae; D.1 One-dimensional Gauss quadrature; D.2 Two-dimensional Gauss quadrature; D.3 Logarithmic Gauss quadrature Appendix E: Stehfest's formula and weights for numerical Laplace transform inversion

Sommario/riassunto

The finite element method is a technique for solving problems in applied science and engineering. The essence of this book is the application of the finite element method to the solution of boundary and initial-value problems posed in terms of partial differential equations. The method is developed for the solution of Poisson's equation, in a weighted-residual context, and then proceeds to time-dependent and nonlinear problems. The relationship with the variational approach is also explained. This book is written at an introductory level, developing all the necessary concepts where required. Co
