

# Bibliografia

- a. *V. Comincioli: Analisi Numerica: Metodi, Modelli, Applicazioni, McGraw-Hill Italia, Milano, 1990*
- b. *S. R. H. Hoole: Computer Aided Design of Electromagnetic devices, Elsevier, 1989*
- c. *R. Albanese, G. Rubinacci, F. Villone: Some Applications of Computational Electromagnetics, <http://nettuno.unina.it/guardians/resources.html>, M. de Magistris e L. De Menna (Univ. Napoli Federico II - Consorzio Nettuno / GUARDIANS project) Eds., 2002*
- d. *F. Trevisan, F. Villone: Modelli Numerici per Campi e Circuiti, Servizi Grafici Editoriali, Padova, 2003*

Per approfondimenti su

**Analisi numerica, algebra lineare, sistemi di equazioni lineari e nonlineari,  
differenze finite**

V. Comincioli: Analisi Numerica: Metodi, Modelli, Applicazioni, McGraw-Hill Italia, Milano, 1990

"Matrix Computations", 2nd Edn., by Gene H. Golub & Charles F. Van Loan, The Johns Hopkins University Press, Baltimore, Maryland 21218, 1989.

Stoer, J. and Bulirsch R. (1993, second edition) Introduction to Numerical Analysis, (New York: Springer-Verlag).

Matrix Iterative Analysis  
Series : Springer Series in Computational Mathematics , Vol. 27  
Varga, Richard S., 2nd rev. and exp. ed., 2000, VI.

E RELATIVI RIFERIMENTI BIBLIOGRAFICI

Per approfondimenti su

## Elementi finiti

- E. B. Becker, G. F. Carey and J. T. Oden, Finite Elements, An Introduction, Volume I, Prentice-Hall, Englewood Cliffs, New Jersey, 1981.
- G. F. Carey and J. T. Oden, Finite Elements, A Second Course, Volume II, Prentice-Hall, Englewood Cliffs, New Jersey, 1983.
- G. F. Carey and J. T. Oden, Finite Elements, Computational Aspects, Volume III, Prentice-Hall, Englewood Cliffs, New Jersey, 1984.
- J. T. Oden and G. F. Carey, Finite Elements, Mathematical Aspects, Volume IV, Prentice-Hall, Englewood Cliffs, New Jersey, 1983.
- J. T. Oden and G. F. Carey, Finite Elements, Special Problems in Solid Mechanics, Volume V, Prentice-Hall, Englewood Cliffs, New Jersey, 1984.
- O. C. Zienkiewicz and R. L. Taylor. The Finite Element Method, Fourth Edition, Volumes 1 and 2. New York, McGraw-Hill: (1989), (1991).
- G. Strang & G. Fix, An Analysis of the Finite Element Method, Prentice-Hall, Englewood Cliffs, New Jersey, 1973.

Per approfondimenti su

## **Boundary elements**

- “Boundary Element Techniques in Engineering” C.A. Brebbia and S. Walker, Newnes-Butterworths, 1980.
- BEM conferences

Per approfondimenti su

## **Stima dell'errore con metodi agli elementi finiti**

- I. Babuska, T. Strouboulis, and C.S. Upadhyay, A model study of the quality of a posteriori error estimators for finite element solutions of linear elliptic problems, with particular reference to the behavior near the boundary, Int. J. Numer. Methods Engrg. 40 (1997), no.14, 2521-2577.
- I. Babuska and W. C. Rheinboldt, 'Reliable error estimation and mesh adaptation for the finite element method', in: Computational Methods in Nonlinear Mechanics, edited by J. T. Oden, North Holland, Amsterdam, 1980, pp. 67-108.

Per approfondimenti su

## Metodi numerici per l'analisi elettromagnetica

- S. R. H. Hoole: Computer Aided Design of Electromagnetic devices, Elsevier, 1989
- F. Trevisan, F. Villone: Modelli Numerici per Campi e Circuiti, Servizi Grafici Editoriali, Padova, 2003
- R. Albanese, G. Rubinacci, F. Villone: Some Applications of Computational Electromagnetics,  
<http://nettuno.unina.it/guardians/resources.html>, M. de Magistris e L. De Menna (Univ. Napoli Federico II - Consorzio Nettuno / GUARDIANS project) Eds., 2002
- R. Albanese, G. Rubinacci, "Finite element methods for the solution of 3D eddy current problems",  
(1998), Advances in Imaging and Electron Physics, Vol. 102, pp. 1-86.

### E RELATIVA BIBLIOGRAFIA

*Principali conferenze:*

COMPUMAG, CEFC

*Principali riviste:*

COMPEL, Int. J. Num. Meth. Eng., IEEE Trans. MAG