



# Professor Philippe G. Ciarlet

## LIST OF PUBLICATIONS

### I. THESES

1. CIARLET, P.G.  
*Variational Methods for Non-Linear Boundary-Value Problems.*  
Ph.D., Case Institute of Technology, Cleveland, 1966.
2. CIARLET, P.G.  
*Fonctions de Green Discrètes et Principe du Maximum Discret.*  
Doctorat d'État, University of Paris VI, 1971.

### II. PUBLICATIONS (an asterisk \* indicates a book)

1. CIARLET, P.G. ; SCHULTZ, M.H. ; VARGA, R.S. Numerical methods of high-order accuracy for nonlinear boundary value problems. I. One dimensional problem, *Numer. Math.* **9** (1967), 394—430.
2. CIARLET, P.G. Some results in the theory of nonnegative matrices, *Linear Algebra and Appl.* **I** (1968), 139—152.
3. CIARLET, P.G. ; SCHULTZ, M.H. ; VARGA, R.S. Numerical methods of high-order accuracy for nonlinear two-point boundary value problems, in *Programmation en Mathématiques Numériques*(Actes d'un Colloque International du C.N.R.S., Besançon, France, Sept. 7—14, 1966), pp. 217—225, C.N.R.S., Paris, 1968.
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6. CIARLET, P.G. An  $O(h^2)$  method for a non-smooth boundary value

- problem, *Aequationes Math.* **2** (1968), 39—49.
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  12. CIARLET, P.G. Discrete maximum principle for finite-difference operators, *Aequationes Math.* **4** (1970), 338—352.
  13. CIARLET, P.G. ; VARGA, R.S. Discrete variational Green's function. II. One dimensional problem, *Numer. Math.* **16** (1970), 115—128.
  14. CIARLET, P.G. ; WAGSCHAL, C. Multipoint Taylor formulas and applications to the finite element method, *Numer. Math.* **17** (1971), 84—100.
  15. CIARLET, P.G. ; RAVIART, P.A. Interpolation de Lagrange dans  $R^n$ , *C. R. Acad. Sci. Paris Sér. A-B.* **273** (1971), 578—581.
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31. BERNADOU, M. ; CIARLET, P.G. Théorème d'existence et d'unicité pour le modèle linéaire de coques de W.T. Koiter, *C. R. Acad. Sci. Paris Sér. A* **282** (1976), 793—795.

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- \* 37. CIARLET, P.G. *The Finite Element Method for Elliptic Problems*, Series “Studies in Mathematics and its Applications”, North-Holland, Amsterdam, 1978.
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