

PUBLICATIONS

BOOKS and BOOK SIZE ARTICLES

1. R. GLOWINSKI, J. L. LIONS & R. TRÉMOLIÈRES, *Numerical Analysis of Variational Inequalities*, North-Holland, Amsterdam, 1981.
2. M. FORTIN & R. GLOWINSKI, *Augmented Lagrangians: Application to the Numerical Solution of Boundary Value Problems*, North-Holland, Amsterdam, 1983.
3. R. GLOWINSKI, *Numerical Methods for Nonlinear Variational Problems*, Springer, New York, NY, 1984 (2nd printing: 2008).
5. M. BLANC, D. FONTAINE, R. GLOWINSKI & L. REINHART, *Simulation of Electron Transport in the Earth Magneto-Sphere*, Gordon & Breach, New York, 1987.
6. R. GLOWINSKI & P. LE TALLEC, *Augmented Lagrangians and Operator-Splitting Methods in Nonlinear Mechanics*, SIAM, Philadelphia, PA, 1989.
7. R. GLOWINSKI, Numerical methods for incompressible viscous flow. In *Handbook of Numerical Analysis*, **Vol. IX**, P. G. Ciarlet & J.L. Lions, eds., North-Holland, Amsterdam, 2003, 3-1176.
8. R. GLOWINSKI, J.L. LIONS & J.W. HE, *Exact and Approximate Controllability for Distributed Parameter Systems: A Numerical Approach*, Cambridge University Press, Cambridge, UK, 2008.
9. R. GLOWINSKI & A. WACHS, On the numerical simulation of viscoplastic fluid flow. In *Handbook of Numerical Analysis*, **Vol. XVI**, P. G. Ciarlet, R. Glowinski & J. Xu, eds., North-Holland, Amsterdam, 2011, 483-717.
10. R. GLOWINSKI, *Variational Methods for Nonlinear Elliptic Problems*, SIAM, Philadelphia, PA, 2015.

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- [1] GLOWINSKI, R., Résolution numérique d'un problème non-classique du Calcul des Variations. In *Symposium on Optimization*, Lecture Notes in Mathematics, **Vol. 132**, Springer, Berlin, 1970, 108-129.
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- [3] GLOWINSKI, R., Méthodes numériques pour l'écoulement stationnaire d'un fluide rigide visco-plastique incompressible. In *Proceedings of the Second International Conference on Numerical Methods in Fluid Dynamics*, M. Holt, ed., Lecture Notes in Physics, **Vol. 8**, Springer-Verlag, Berlin, 1971, 385-394.
- [4] GLOWINSKI, R., La Méthode de Relaxation: Application à la Minimisation des Fonctionnelles Convexes, *Rendi Conti di Matematica*, **Vol. 14**, Rome, 1971.
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