

**Le Van, C.**

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For a scan of this review see the [web version](#).

**MSC:**

**55M20** Fixed points and coincidences in algebraic topology  
**55M25** Degree, winding number  
**52Bxx** Polytopes and polyhedra

Cited in **2** Documents

**Keywords:**

Sperner's lemma; topological degree; fixed-point theorems

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**References:**

- [1] Schwartz, J. T., *Nonlinear Functional Analysis*, Gordon and Breach, New York, New York, 1969.
- [2] Lasry, J. M., and Robert, R., *Degré et Théorèmes de Point Fixe pour les Applications Multivoques et Applications*, Cahier de Mathématique de la Décision, Université Paris-IX, Dauphine, France, 1975.
- [3] Geistdoerfer-Florenzano, M., *L'Equilibre Economique Général Transitif et Intransitif? Problèmes d'Existence*, Centre d'Etudes Prospectives d'Economie Mathématique Appliquées à la Planification, Paris, France, Report No. 8004, 1980.
- [4] Scarf, H., *The Approximation of Fixed Points of a Continuous Mapping*, *SIAM Journal on Applied Mathematics*, Vol. 15, No. 5, 1967. · [Zbl 0153.49401](#)
- [5] Kuhn, H. W., and MacKinnon, J. G., *Sandwich Methods for Finding Fixed Points*, *Journal of Optimization Theory and Applications*, Vol. 17, Nos. 3/4, 1975. · [Zbl 0299.65030](#)
- [6] Hoang Tuy, *Pivotal Methods for Computing Equilibrium Points: Unified Approach and New Restart Algorithm*, *Mathematical Programming*, Vol. 16, pp. 210-227, 1979. · [Zbl 0497.90059](#) · [doi:10.1007/BF01582109](#)
- [7] Todd, M. J., *The Computation of Fixed Points and Applications*, Springer-Verlag, Berlin, Germany, 1976. · [Zbl 0332.54003](#)
- [8] Berge, C., *Espaces Topologiques? Fonctions Multivoques*, Dunod, Paris, France, 1959. · [Zbl 0088.14703](#)
- [9] Yoseloff, M., *Topologic Proofs of Some Combinatorial Theorems*, *Journal of Combinatorial Theory, (A.)*, Vol. 17, pp. 95-111, 1974. · [Zbl 0365.05021](#) · [doi:10.1016/0097-3165\(74\)90031-4](#)

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