

FABIO PRIVILEGGI

PUBLICATIONS

Articles in peer reviewed international Journals

1. Montrucchio, L. and F. Privileggi (2024), Negative dynamic programming with non-additively time-separable objective, *Communications in Optimization Theory*, forthcoming.
2. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2024), Infectious diseases and social distancing under state-dependent probabilities, *Annals of Operations Research* **337**: 993–1008.
<https://doi.org/10.1007/s10479-023-05409-z>
3. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2024), Stochastic Disease Spreading and Containment Policies under State-Dependent Probabilities, *Economic Theory* **77**: 127–168.
<https://doi.org/10.1007/s00199-023-01496-y>
4. Bahamazava, K., Marchese, C. and F. Privileggi (2023), A Cournot Equilibrium between Dark Net Market and Street Market, *FinanzArchiv* **79**: 308–331.
<https://doi.org/10.1628/fa-2024-0002>
5. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2022), Generalized Fractal Transforms with Condensation: a Macroeconomic-Epidemiological Application, *Pure and Applied Functional Analysis* **7**: 2101–2128.
6. Carmeci, G., Mauro, L. and F. Privileggi (2021), Growth Maximizing Government Size, Social Capital, and Corruption, *Journal of Public Economic Theory* **23**: 438–461.
<https://doi.org/10.1111/jpet.12508>
7. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2021), Public Debt Dynamics under Ambiguity by Means of Iterated Function Systems on Density Functions, *Discrete & Continuous Dynamical Systems - B* **26**: 5873–5903.
<https://doi.org/10.3934/dcdsb.2021070>
8. Marsiglio, S. and F. Privileggi (2021), Three Dimensional Fractal Attractors in a Green Transition Economic Growth Model, *Communications in Nonlinear Science and Numerical Simulation* **93**: 105509.
<https://doi.org/10.1016/j.cnsns.2020.105509>
9. Marsiglio, S. and F. Privileggi (2021), On the Economic Growth and Environmental Trade-Off: a Multi-Objective Analysis, *Annals of Operations Research* **296**: 263–289.
<https://doi.org/10.1007/s10479-019-03217-y>
10. Marchese, C. and F. Privileggi (2020), A Competitive Idea-Based Growth Model, *Economics of Innovation and New Technology* **29**: 313–330.
<https://doi.org/10.1080/10438599.2019.1616663>
11. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2019), A stochastic economic growth model with health capital and state-dependent probabilities, *Chaos, Solitons and Fractals* **129**: 81–93.
<https://doi.org/10.1016/j.chaos.2019.08.010>
12. Marchese, C., S. Marsiglio, F. Privileggi and G. B. Ramello (2019), Endogenous Recombinant Growth and Intellectual Property Rights, *Macroeconomic Dynamics* **23**: 2035–2067.
<https://doi.org/10.1017/S136510051700058X>
13. Privileggi, F. and S. Marsiglio (2019), Dynamics and Welfare in Recombinant Growth Models with Intellectual Property Rights: a Computational Method, *Communications in Nonlinear Science and Numerical Simulation* **69**: 98–118.
<https://doi.org/10.1016/j.cnsns.2018.09.008>

14. La Torre, D., Marsiglio, S. and F. Privileggi (2018), Fractal Attractors in Economic Growth Models with Random Pollution Externalities, *Chaos: An Interdisciplinary Journal of Nonlinear Science* **28**: 055916.
<https://doi.org/10.1063/1.5023782>
15. Marchese, C. and F. Privileggi (2018), Endogenous Economic Growth with Disembodied Knowledge, *Journal of Public Economic Theory* **20**: 437–449.
<https://doi.org/10.1111/jpet.12284>
16. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2018), Fractal Attractors and Singular Invariant Measures in Two-Sector Growth Models with Random Factor Shares, *Communications in Nonlinear Science and Numerical Simulation* **58**: 185–201.
<https://doi.org/10.1016/j.cnsns.2017.07.008>
17. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2015), Self-Similar Measures in Multi-Sector Endogenous Growth Models, *Chaos, Solitons and Fractals* **79**: 40–56.
<https://doi.org/10.1016/j.chaos.2015.05.019>
18. Privileggi, F. (2015), Takeoff vs. Stagnation in Endogenous Recombinant Growth Models, *Mathematics and Computers in Simulation* **108**: 184–214.
<https://doi.org/10.1016/j.matcom.2014.05.012>
19. Privileggi, F. and S. Marsiglio (2013), Environmental Shocks and Sustainability in a Basic Economy-Environment Model, *International Journal of Applied Nonlinear Science* **1**: 67–75.
<https://doi.org/10.1504/IJANS.2013.052755>
20. Biswas, R., C. Marchese and F. Privileggi (2013), Firm's Tax Evasion in a Principal-Agent Model with Self-Protection, *Journal of Economics* **110**: 125–140.
<https://doi.org/10.1007/s00712-012-0306-4>
21. La Torre, D., S. Marsiglio and F. Privileggi (2011), Fractals and Self-Similarity in Economics: the Case of a Stochastic Two-Sector Growth Model, *Image Analysis & Stereology* **30**: 143–151.
<https://doi.org/10.5566/ias.v30.p143-151>
22. Privileggi, F. (2011), Transition Dynamics in Endogenous Recombinant Growth Models by means of Projection Methods, *Computational Economics* **38**: 367–387.
<https://doi.org/10.1007/s10614-011-9278-7>
23. Marchese, C. and F. Privileggi (2009), A model of the Italian cut-off system for taxing small businesses, *Research in Economics* **63**: 127–134.
<https://doi.org/10.1016/j.rie.2009.04.003>
24. Mitra, T. and F. Privileggi (2009), On Lipschitz Continuity of the Iterated Function System in a Stochastic Optimal Growth Model, *Journal of Mathematical Economics* **45**: 185–198.
<https://doi.org/10.1016/j.jmateco.2008.08.003>
25. Mitra, T. and F. Privileggi (2006), Cantor Type Attractors in Stochastic Growth Models, *Chaos, Solitons & Fractals* **29**: 626–637.
<https://doi.org/10.1016/j.chaos.2005.08.094>
26. Marchese, C. and F. Privileggi (2004), Tax Amnesties and the Self-Selection of Risk-Averse Tax Payers, *European Journal of Law and Economics* **18**: 319–341.
<https://doi.org/10.1007/s10657-004-4276-z>
27. Mitra, T. and F. Privileggi (2004), Cantor Type Invariant Distributions in the Theory of Optimal Growth under Uncertainty, *Journal of Difference Equations and Applications* **10**: 489–500.
<https://doi.org/10.1080/1023619042000193649>

28. Mitra, T., L. Montrucchio and F. Privileggi (2003), The Nature of the Steady State in Models of Optimal Growth Under Uncertainty, *Economic Theory* **23**: 39–71.
<https://doi.org/10.1007/s00199-002-0340-5>
29. Montrucchio, L. and F. Privileggi (2001), On Fragility of Bubbles in Equilibrium Asset Pricing Models of Lucas-Type, *Journal of Economic Theory* **101**: 158–188.
<https://doi.org/10.1006/jeth.2000.2718>
30. Privileggi, F., C. Marchese and A. Cassone (2001), Agent's Liability Versus Principal's Liability when Attitudes toward Risk Differ, *International Review of Law and Economics* **21**: 181–195.
[https://doi.org/10.1016/S0144-8188\(01\)00055-2](https://doi.org/10.1016/S0144-8188(01)00055-2)
31. Montrucchio, L. and F. Privileggi (1999), Fractal Steady States in Stochastic Optimal Control Models, *Annals of Operations Research* **88**: 183–197.
<https://doi.org/10.1023/A:1018978213041>
32. Marchese, C. and F. Privileggi (1997), Taxpayers Attitudes Toward Risk and Amnesty Participation: Economic Analysis and Evidence for the Italian Case, *Public Finance – Finance Publique* **52**: 394–410.
33. Privileggi, F. (1995), A Characterization for Solutions of Stochastic Discrete Time Optimization Models, *Rivista di Matematica per le Scienze Economiche e Sociali* **18**: 165–180.
<https://doi.org/10.1007/BF02096426>

Book chapters

34. Privileggi, F. (2010), On the Transition Dynamics in Endogenous Recombinant Growth Models, in Bischi, G.I., Chiarella, C. and L. Gardini (Eds.), *Nonlinear dynamics in economics, finance and social sciences*, Berlin: Springer Verlag: 251–278.
https://doi.org/10.1007/978-3-642-04023-8_14

Working Papers in progress

35. The Great Fish War under State-Dependent Probabilities, with D. La Torre, and S. Marsiglio.
36. An Endogenous Growth Model of Secular Stagnation, with G. Carmeci and L. Mauro.
37. Recombinant Growth by means of Partial Hamiltonian Approach, with S. Marsiglio.
38. Consumption Externalities and Endogenous Growth, with C. Marchese.

Other Working Papers

39. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2022), Stochastic Disease Spreading and Containment Policies under State-Dependent Probabilities, *Dip. "Cognetti de Martiis" Working Paper* **05/22**, Torino (Italy).
https://www.est.unito.it/do/home.pl/Download?doc=/allegati/wp2022dip/wp_05_2022.pdf
40. La Torre, D., Marsiglio, S., Mendivil, F. and F. Privileggi (2021), Generalized Fractal Transforms with Condensation: a Macroeconomic-Epidemiological Application, *Dip. "Cognetti de Martiis" Working Paper* **07/21**, Torino (Italy).
https://www.est.unito.it/do/home.pl/Download?doc=/allegati/wp2021dip/wp_07_2021.pdf
41. Marchese, C. and F. Privileggi (2016), A Competitive Idea-Based Growth Model with Shrinking Workers' Income Share, *Dip. "Cognetti de Martiis" Working Paper* **04/16**, Torino (Italy).
https://www.est.unito.it/do/home.pl/Download?doc=/allegati/wp2016dip/wp_4_2016.pdf

42. Marchese, C. and F. Privileggi (2014), A Competitive Idea-Based Growth Model with Shrinking Workers' Income, *Dip. "Cognetti de Martiis" Working Paper 15/14*, Torino (Italy).
https://www.est.unito.it/do/home.pl/Download?doc=/allegati/wp2014dip/wp_15_2014.pdf
43. Marchese, C., S. Marsiglio, F. Privileggi and G. B. Ramello (2014), Endogenous Recombinant Growth through Market Production of Knowledge and Intellectual Property Rights, *Dip. "Cognetti de Martiis" Working Paper 13/14*, Torino (Italy).
https://www.est.unito.it/do/home.pl/Download?doc=/allegati/wp2014dip/wp_13_2014.pdf
44. Cozzi, G. and F. Privileggi (2009), The Fractal Nature of Inequality in a Fast Growing World: New Revision, *University of Glasgow, Dept. of Economics Discussion Papers Series 2009-30*, Glasgow (UK).
https://www.gla.ac.uk/media/Media_126649_smx.pdf
45. Privileggi, F. (2007), The Cutoff Policy of Taxation when CRRA Taxpayers Differ in Risk Aversion Coefficients and Income: a Proof, *POLIS Working Paper 107*, Alessandria (Italy).
<http://polis.unipmn.it/pubbl/RePEc/uca/ucapdv/privileggi107.pdf>
46. Marchese, C. and F. Privileggi (2007), Increasing the Efficiency of the 'Studi di Settore' Might Backfire, *POLIS Working Paper 92*, Alessandria (Italy).
<http://polis.unipmn.it/pubbl/RePEc/uca/ucapdv/marchese92.pdf>
47. Cozzi, G. and F. Privileggi (2002), Wealth Polarization and Pulverization in Fractal Societies, *ICER Working Paper 39*, Torino (Italy).
<https://www.bemservizi.unito.it/repec/icr/wp2002/privileggi39-02.pdf>
48. Marchese, C. and F. Privileggi (2002), The Cutoff Policy of Taxation When Taxpayers are Risk Averse, *DISEFIN Working Paper 7*, Genova (Italy).
<https://core.ac.uk/download/pdf/301905397.pdf>

Other publications

49. Privileggi, F. (1995), Metodi Ricorsivi per L'Ottimizzazione Dinamica Stocastica (in Italian), *PhD Thesis*, Università di Trieste (Italy).
50. Privileggi, F. (1989), Il Settore Non Profit Nell'Economia di Mercato: Interpretazioni Alternative (in Italian), in Alberto Mortara (ed.), *Collana di studi e monografie n. 80*, Milano: CIRIEC (Italy).

Conference proceedings

51. Montrucchio, L. and F. Privileggi (1998), Fast Growing Stochastic Dynamic Models, *Atti del XXII Convegno AMASES*, Genova (Italy), 371–382.

Teaching manuals

52. Mattalia, C. and F. Privileggi (2017), *Matematica per le Scienze Economiche e Sociali, Volume 2: Algebra lineare, funzioni di più variabili e ottimizzazione statica* (in Italian), Milano: Maggioli Editore (Italy).
53. Mattalia, C. and F. Privileggi (2015), *Matematica per le Scienze Economiche e Sociali, Volume 1: Funzioni di Una Variabile* (in Italian), Milano: Maggioli Editore (Italy).
54. Privileggi, F. (2012), *Compendio di Matematica per l'Economia: un percorso esaustivo ma user-friendly* (second ed., in Italian), Vol. **44/6**, Napoli: EsseLibri Simone (Italy).
55. Privileggi, F. (2007), *Compendio di Matematica per l'Economia: un percorso esaustivo ma user-friendly* (in Italian), Vol. **44/6**, Napoli: EsseLibri Simone (Italy).

Torino, November 14, 2024