

Title

JUSTE RAIMBAULT

Date

Cov[X, Y]

References

- [Achibet et al.,] Achibet, M., Balev, S., Dutot, A., and Olivier, D. Morphogenese urbaine: coevolution du reseau viaire et du bâti.
- [Achibet et al., 2014] Achibet, M., Balev, S., Dutot, A., and Olivier, D. (2014). A model of road network and buildings extension co-evolution. *Procedia Computer Science*, 32:828–833.
- [Adamatzky and Jones, 2010] Adamatzky, A. and Jones, J. (2010). Road planning with slime mould: if physarum built motorways it would route m6/m74 through newcastle. *International Journal of Bifurcation and Chaos*, 20(10):3065–3084.
- [Andersson et al., 2006] Andersson, C., Frenken, K., and Hellervik, A. (2006). A complex network approach to urban growth. *Environment and Planning A*, 38(10):1941.
- [Antoni et al., 2013] Antoni, J.-P., Bonin, O., Frankhauser, P., Hirtzel, J., Houot, H., Le Néchet, F., Tannier, C., and Tomasoni, L. (2013). Ville et mobilité durable : une évaluation par la simulation. In *Colloque international 'Modélisation, dynamique urbaine et étalement urbain'*, Orléans, France.
- [Barthélemy and Flammini, 2008] Barthélemy, M. and Flammini, A. (2008). Modeling urban street patterns. *Physical review letters*, 100(13):138702.
- [Barthélemy and Flammini, 2009] Barthélemy, M. and Flammini, A. (2009). Co-evolution of density and topology in a simple model of city formation. *Networks and spatial economics*, 9(3):401–425.
- [Berroir et al., 2005] Berroir, S., Cattan, N., Saint-Julien, T., Baron, M., and Lesecq, G. (2005). *La contribution des villes nouvelles au polycentrisme francilien*. UMR Géographie-cités.
- [Bonin et al., 2012] Bonin, O., Hubert, J.-P., et al. (2012). Modèle de morphogénèse urbaine: simulation d’espaces qualitativement différenciés dans le cadre du modèle de l’économie urbaine. In *49è colloque de l’ASRDLF*.
- [Bretagnolle, 2009] Bretagnolle, A. (2009). *Villes et réseaux de transport : des interactions dans la longue durée (France, Europe, États-Unis)*. Hdr, Université Panthéon-Sorbonne - Paris I.
- [Brown et al., 2005] Brown, D. G., Riolo, R., Robinson, D. T., North, M., and Rand, W. (2005). Spatial process and data models: Toward integration of agent-based models and gis. *Journal of Geographical Systems*, 7(1):25–47.
- [Chang, 2006] Chang, J. S. (2006). Models of the relationship between transport and land-use: A review. *Transport Reviews*, 26(3):325–350.

- [Chavalarias and Cointet, 2013] Chavalarias, D. and Cointet, J.-P. (2013). Phylomemetic patterns in science evolution—the rise and fall of scientific fields. *Plos One*, 8(2):e54847.
- [Clarke and Gaydos, 1998] Clarke, K. C. and Gaydos, L. J. (1998). Loose-coupling a cellular automaton model and gis: long-term urban growth prediction for san francisco and washington/baltimore. *International journal of geographical information science*, 12(7):699–714.
- [Clarke et al., 2007] Clarke, K. C., Gazulis, N., Dietzel, C., and Goldstein, N. C. (2007). A decade of sleuthing: Lessons learned from applications of a cellular automaton land use change model. *Classics in IJGIS: twenty years of the international journal of geographical information science and systems*, pages 413–427.
- [Doursat et al., 2012] Doursat, R., Sayama, H., and Michel, O. (2012). *Morphogenetic engineering: toward programmable complex systems*. Springer.
- [Duranton and Turner, 2012] Duranton, G. and Turner, M. A. (2012). Urban growth and transportation. *The Review of Economic Studies*, 79(4):1407–1440.
- [Eboli et al., 2012] Eboli, L., Forciniti, C., and Mazzulla, G. (2012). Exploring land use and transport interaction through structural equation modelling. *Procedia-Social and Behavioral Sciences*, 54:107–116.
- [Ettema, 2011] Ettema, D. (2011). A multi-agent model of urban processes: Modelling relocation processes and price setting in housing markets. *Computers, Environment and Urban Systems*, 35(1):1 – 11.
- [Guérois and Paulus, 2002] Guérois, M. and Paulus, F. (2002). Commune centre, agglomération, aire urbaine: quelle pertinence pour l’étude des villes? *Cybergeog: European Journal of Geography*.
- [Hall and Pain, 2006] Hall, P. G. and Pain, K. (2006). *The polycentric metropolis: learning from mega-city regions in Europe*. Routledge.
- [He et al., 2006] He, C., Okada, N., Zhang, Q., Shi, P., and Zhang, J. (2006). Modeling urban expansion scenarios by coupling cellular automata model and system dynamic model in beijing, china. *Applied Geography*, 26(3–4):323 – 345.
- [Horner and Schleith, 2012] Horner, M. W. and Schleith, D. (2012). Analyzing temporal changes in land-use–transportation relationships: A lehd-based approach. *Applied Geography*, 35(1):491–498.
- [Iacono et al., 2008] Iacono, M., Levinson, D., and El-Geneidy, A. (2008). Models of transportation and land use change: a guide to the territory. *Journal of Planning Literature*, 22(4):323–340.
- [Kocabas and Dragicevic, 2006] Kocabas, V. and Dragicevic, S. (2006). Coupling bayesian networks with gis-based cellular automata for modeling land use change. In *Geographic Information Science*, pages 217–233. Springer.
- [Kunz et al., 2000] Kunz, R., Khatib, I., and Moussiopoulos, N. (2000). Coupling of mesoscale and microscale models—an approach to simulate scale interaction. *Environmental Modelling & Software*, 15(6–7):597 – 602. Air pollution modelling and simulation.
- [Levinson, 2008] Levinson, D. (2008). Density and dispersion: the co-development of land use and rail in london. *Journal of Economic Geography*, 8(1):55–77.
- [Levinson et al., 2007] Levinson, D. M., Xie, F., and Zhu, S. (2007). The co-evolution of land use and road networks. *Transportation and traffic theory*, pages 839–859.

- [L’Hostis et al., 2012] L’Hostis, A., Soulas, C., Wulforst, G., et al. (2012). La ville orientée vers le rail. *Ville et mobilité*.
- [Lodin, 2011] Lodin, J. (2011). Road growth modeling-the development of a road growth model that co-evolves with land use.
- [Louf and Barthelemy, 2013] Louf, R. and Barthelemy, M. (2013). Modeling the Polycentric Transition of Cities. *Physical Review Letters*, 111(19):198702.
- [Magliocca et al., 2011] Magliocca, N., Safirova, E., McConnell, V., and Walls, M. (2011). An economic agent-based model of coupled housing and land markets (chalms). *Computers, Environment and Urban Systems*, 35(3):183 – 191.
- [Mangin, 2014] Mangin, D. (2014). Le grand paris, où en est-on ? Conférence de David Mangin le 14 mars 2014, ENPC et ENSAVT.
- [Offner, 1993] Offner, J.-M. (1993). Les ”effets structurants” du transport: mythe politique, mystification scientifique. *Espace géographique*, 22(3):233–242.
- [Offner and Pumain, 1996] Offner, J.-M. and Pumain, D. (1996). *Réseaux et territoires - significations croisées*. Editions de l’Aube.
- [Ostrowetsky, 2004] Ostrowetsky, S. . a. (2004). Les villes nouvelles, 30 ans après. *Espaces et Sociétés* n° 119, 4/2004.
- [Phan and Varenne, 2010] Phan, D. and Varenne, F. (2010). Agent-based models and simulations in economics and social sciences: from conceptual exploration to distinct ways of experimenting. *Journal of Artificial Societies and Social Simulation*, 13(1):5.
- [Porta et al., 2006] Porta, S., Crucitti, P., and Latora, V. (2006). The network analysis of urban streets: a dual approach. *Physica A: Statistical Mechanics and its Applications*, 369(2):853–866.
- [Portugali, 2012] Portugali, J. (2012). Complexity theories of cities: Achievements, criticism and potentials. In *Complexity Theories of Cities Have Come of Age*, pages 47–62. Springer.
- [Putman, 1975] Putman, S. H. (1975). Urban land use and transportation models: A state-of-the-art summary. *Transportation Research*, 9(2):187–202.
- [Raimbault et al., 2014] Raimbault, J., Banos, A., and Doursat, R. (2014). A hybrid network/grid model of urban morphogenesis and optimization. In *Proceedings of the 4th International Conference on Complex Systems and Applications (ICCSA 2014), June 23-26, 2014, Université de Normandie, Le Havre, France; M. A. Aziz-Alaoui, C. Bertelle, X. Z. Liu, D. Olivier, eds.: pp. 51-60*.
- [Reuillon et al., 2013] Reuillon, R., Leclaire, M., and Rey-Coyrehourcq, S. (2013). Openmole, a workflow engine specifically tailored for the distributed exploration of simulation models. *Future Generation Computer Systems*, 29(8):1981–1990.
- [Rui, 2013] Rui, Y. (2013). Urban growth modeling based on land-use changes and road network expansion.
- [Schmitt, 2014] Schmitt, C. (2014). *Modélisation de la dynamique des systèmes de peuplement: de SimpopLocal à SimpopNet*. PhD thesis, Paris 1.
- [Schmitt et al., 2014] Schmitt, C., Rey-Coyrehourcq, S., Reuillon, R., and Pumain, D. (2014). Half a billion simulations: Evolutionary algorithms and distributed computing for calibrating the simpoplocal geographical model.

- [Tero et al., 2010] Tero, A., Takagi, S., Saigusa, T., Ito, K., Bebber, D. P., Fricker, M. D., Yumiki, K., Kobayashi, R., and Nakagaki, T. (2010). Rules for biologically inspired adaptive network design. *Science*, 327(5964):439–442.
- [Varenne, 2010] Varenne, F. (2010). Framework for m&s with agents in regard to agent simulations in social sciences. *Activity-Based Modeling and Simulation*, pages 53–84.
- [Wegener and Fürst, 2004] Wegener, M. and Fürst, F. (2004). Land-use transport interaction: state of the art. *Available at SSRN 1434678*.
- [Xie and Levinson, 2009] Xie, F. and Levinson, D. (2009). Modeling the growth of transportation networks: A comprehensive review. *Networks and Spatial Economics*, 9(3):291–307.
- [Zanette and Manrubia, 1997] Zanette, D. H. and Manrubia, S. C. (1997). Role of intermittency in urban development: a model of large-scale city formation. *Physical Review Letters*, 79(3):523.
- [Zhang and Levinson, 2007] Zhang, L. and Levinson, D. (2007). The economics of transportation network growth. In *Essays on transport economics*, pages 317–339. Springer.