

Institute of	Solstice, XXI (2), www.mylovedone.com/image/solstice/win10/ArlinghausandGriffith.html	athematical Ge
	Arlinghaus S., Nystuen J., 1990, Geometry of boundary exchanges: Compression patterns for boundary dwellers, <i>The Geographical Review</i> , 80, 1, pp. 21-31.	
\wedge	Arlinghaus S., Nystuen J., 1991, Street geometry and flows, <i>The Geographical Review</i> , 81, 2, pp. 206-214.	7
+	Arlinghaus S., Arlinghaus W., 1989, The fractal theory of central place hierarchies: a Diophantine analysis of fractal generators for arbitrary Löschian numbers, <i>Geographical Analysis: an International Journal of Theoretical Geography</i> , 21, 2, pp. 103-121.	
14	Arlinghaus S., Arlinghaus W., Harary F., 1993, Sum graphs and geographic information, <i>Solstice: An Electronic Journal of Geography and Mathematics</i> , IV, 1. Ann Arbor: Institute of Mathematical Geography. <u>http://www-personal.umich.edu/~copyrght/image/solstice/sols193.html</u>	
1	Batty M., Longley P., references listing: <u>http://www.casa.ucl.ac.uk/people/MikesPage.htm</u>	IN V I.
	Benguigui L., Daoud M., 1991, Is the suburban railway system a fractal? Geographical Analysis, 23, pp. 362-368.	
Institute of	Boots, B.N. and G.F. Rayle, "A conjecture on the maximum value of the principal eigenvalue of a planar graph", <i>Geographical Analysis</i> , 23(3), 1991, 276-282.	athematical Ge
	Cardillo, A., S. Scellato, V. Latora, and S. Porta. 2006. Structural properties of planar graphs of urban street patterns, <i>Physical Review E</i> , 73: 066107-1 - 066107-8.	
\rightarrow	Coxeter H., 1965, Non-Euclidean Geometry, University of Toronto Press, Toronto.	5
	Criffith D 2004 Extrame aigenfunctions of adjacency matrices for planar graphs amployed in spatial analyses Linear Algebra & Its	
	Applications, 388: 201-219. Griffith D. 2000. Eigenfunction properties and approximations of selected incidence matrices amployed in spatial analyses. Linear Algebra &	
	Its Applications, 321: 95-112. Griffith D and S Arlinghaus 2011 Urban compression patterns: fractals and non-Euclidean geometries inventory and prospect. <i>Quagetiones</i>	
147	Geographicae.	
	Griffith D., Vojnovic I., Messina J. 2010. Distances in residential space: implications from estimated metric functions for minimum path distances, unpublished paper, School of Economic, Political and Policy Sciences, University of Texas at Dallas.	
Institute of	Grünbaum B., Shephard G., 1987, Tilings and Patterns, W. H. Freeman, New York.	athematical Ge
	Hausdorff and Besicovitch, historical reference: http://en.wikipedia.org/wiki/Hausdorff_dimension	
	Kansky, K. 1963. Structure of Transportation Networks. University of Chicago, Department of Geography.	
λ	Kim, K., L. Bengugui, and M. Marinov. 2003. The fractal structure of Seoul's public transportation system, <i>Cittes</i> , 20: 31-39.	
	Li I. X. Wang and OS. Guo. 2002. Research on fractal characteristics of urban traffic network structure based on GIS. Chinasa Geographical	
	Science, 12: 346-349.	
14	Lu, Y., and J. Tang. 2004. Fractal dimension of a transportation network and its relationship with urban growth: a study of the Dallas-Fort Worth area, <i>Environment and Planning B</i> , 31: 895-911.	
	Mandelbrot B., 1983, The Fractal Geometry of Nature, W. H. Freeman, New York.	$I \stackrel{i}{\eta} A \stackrel{j}{\tau}$
	Ord J., 1975, Estimation methods for models of spatial interaction, <i>Journal of the American Statistical Association</i> , 70, pp. 120-126	
Institute of	Park, Robert I. And Burgess, Ernest W. 1925. The City, Chicago: The University of Chicago Press.	athematical Ge
	Shan G. 1997. A fractal dimension analysis of urban transportation naturals. <i>Generalized & Environmental Modelling</i> , 1, pp. 221-236.	
	Telecs. A. 1990. Spectra of graphs and fractal dimensions I. J. of Theoretical Probability. 8: 77-96.	
λ	Telecs, A. 1995. Spectra of graphs and fractal dimensions II, Probability Theory and Related Fields, 85: 489-497.	
-	Thrasher, F. M. 1923-1926. Chicago's Gangland Map. http://www.lib.uchicago.edu/lib/public/full_screen.html?	I A C E/
	http://www.lib.uchicago.edu/e/su/maps/chisoc/G4104-C6E625-1926-T5	
1.	Wikipedia, Fibonacci Coding: http://en.wikipedia.org/wiki/Fibonacci_coding.	
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