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Michel L. Lapidus* (lapidus@math.ucr.edu), Department of Mathematics, University of California, Riverside, CA 92521-0135. *Fractal Geometry and Number Theory, Via Zeta Functions and the Associated Complex Fractal Dimensions.*

We plan to discuss a few aspects of the multiple relationships between fractal geometry and number theory, within the framework of the author's and his collaborators' theory of complex fractal dimensions. (Received January 25, 2019)