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- [19] Teodorovich, E. V. "The effective "Conductivity of a randomly inhomogeneous Medium" J Appl. Maths Mechs **64**p 951-957 (2000).
- [20] Stepanyants, Y. A. and E.V. Teodorovich "Effective hydraulic conductivity of a randomly heterogeneous porous medium" Water Resources Research **39** p SHB 12-1, SHB 12-9 (2003).
- [21] D. T. Hristopulos and G. Christakos "Variational calculation of the effective fluid permeability of heterogeneous media" Phys. Rev. E **55** p 7288-7298, (1997).
- [22] Matyka, Maciej and Khalili, Arzhang and Koza, Zbigniew, "Tortuosity-porosity relation in porous media flow", Phys. Rev. E **78-2**, p.8 (2008).
- [23] Civan Faruk, "Effective Correlation of Apparent Gas Permeability in Tight Porous Media", Transport in Porous Media **82-2**, p.375-384 (2010).
- [24] R.W. Vervoort and S.R. Cattle, "Linking hydraulic conductivity and tortuosity parameters to pore space geometry and pore-size distribution", Journal of Hydrology **272-1**, p.36-49 (2003).
- [25] Peng Xu, Boming Yu, Yongjin Feng and Mingqing Zou "Permeability of the fractal disk-shaped brached network with tortuosity effect" Physics of fluid **18** p 078103 (2006).
- [26] Yun Mei-Juan, Boming Yu, Zhang Bin and Huang Ming-Tao "A geometry model for tortuosity of streamtubes in porous media with spherical particles" Chin.Phys.Lett **22** p.1464 (2005).
- [27] Boming Yu, and Li Jian-Hua "A geometry model for tortuosity flow path in porous media" Chin.Phys.Lett **21** p.1569 (2004).
- [28] S.W. Coleman and J.C. Vassilicos "Tortuosity of unsaturated porous fractal materials" Phys Rev E. **78**, 016308 (2008).