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Sarah Bailey Frick* (sarah.frick@furman.edu), 3300 Poinsett Hwy, Greenville, SC 29613, **Karl Petersen**, Chapel Hill, NC , and **Sandra Shields**, Charleston, SC. *A condition for topological conjugacy to an odometer.*

We give a necessary and sufficient condition for any adic system to be topologically conjugate to an odometer and use this condition to determine the probability that a random order on a fixed diagram, or a diagram constructed at random in some way, is topologically conjugate to an odometer. (Received September 13, 2016)