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Mohammad Obiedat* (mohammad.obiedat@gallaudet.edu), 800 Florida Avenue NE, Washington, DC 20002. *Gradations of Cyclic Rings and Homogeneity of their Nil and Jacobson Radicals.*

A formula for the number of gradations, up to equivalence, of cyclic rings by cancellative monoids is given. As an application, the nil and Jacobson radicals of cyclic rings are shown to be homogeneous. (Received May 29, 2019)