1060-18-246   **Radmila Sazdanovic*** (`radmilas@gmail.com`), MSRI, 17 Gauss Way, Berkeley, CA 94720-507, and **Mikhail Khovanov**. *A categorification of the polynomial ring.*

We introduce a categorification of the one-variable polynomial ring Z[x], based on the geometrically defined graded algebra. This construction is generalized to the categorification of some basic special functions. (Received March 30, 2010)