1046-16-1241   **Radmila Sazdanovic*** (`radmila@gwu.edu`), The George Washington University, Department of Mathematics (Monroe Hall Rm240), 2115 G street NW, Washington, DC 20052, and **Mikhail Khovanov**. *Plane diagrammatics and categorification.* Preliminary report.

We introduce a calculus of planar diagrams with the height function that leads to categorification of some basic special functions. (Received September 15, 2008)