1060-57-169 **Mikhail Khovanov*** (khovanov@math.columbia.edu), Department of Mathematics, Columbia University, New York, NY 10027. *Adventures in categorification*.

We'll consider several examples of categorification and clarify the importance of suitable bilinear forms and their graphical interpretations for categorification of quantum groups and Hecke algebras. (Received March 29, 2010)