Meeting: 1000, Albuquerque, New Mexico, SS 5A, Special Session on Categories and Operads in Topology, Geometry, Physics and Other Applications

1000-20-179 **Liudmila Sabinina*** (`liudmila@servm.fc.uaem.mx`), Facultad de Ciencias, UAEM, Avenida Universidad 1001, Colonia Lomas de Chamilpa, 62210 Curnavaca, Morelos, Mexico, and **Ricardo Diaz Gutierrez**. *Magnus mapping for free loops.* Preliminary report.

We study the properties of free loops using Magnus mapping. We show particulary that for the variety of loops with inverse property as well as for the variety of diassociative loops such a mapping is not injective. (Received August 24, 2004)