Leonardo C Mihalcea* (lmihalce@vt.edu), 460 McBride Hall, Dept. of Mathematics, Virginia Tech University, Blacksburg, VA 24061, and Changzheng Li (czli@kias.re.kr), School of Mathematics, Korea Institute for Advanced Study, Seoul, South Korea. Gromov-Witten invariants for lines in flag manifolds.

We will present a method to calculate generalized Gromov-Witten invariants for classes of lines in flag manifolds. Furthermore, we will study various relations among these invariants. This is joint work with Changzheng Li. (Received July 31, 2011)