Meeting: 1001, Evanston, Illinois, SS 18A, Special Session on Applications of Motives

1001-14-124 **Alexander Goncharov*** (`sasha@math.brown.edu`). *Motivic fundamental groups and Feynman integrals.* Preliminary report.

We will discuss the structure of the motivic fundamental group of a punctured curve. We present its periods as correlators of a Feynman integral related to the curve. (Received August 19, 2004)