

1099-20-157

Sang-hyun Kim and **Thomas Koberda*** (thomas.koberda@gmail.com), PO Box 208283, New Haven, CT 06520-8283. *Flat structures on surfaces and one-ended subgroups of right-angled Artin groups*. Preliminary report.

We will discuss flat structures on surfaces coming from CAT(0) geometry and right-angled Artin groups. The main result is that closed surface subgroups of right-angled Artin groups are generated by elliptic elements. As a corollary, we show that closed surface subgroups of mapping class groups which factor through right-angled Artin groups are generated by reducible mapping classes. (Received February 06, 2014)