

1096-20-713

**Sang-hyun Kim** and **Thomas Koberda\*** ([thomas.koberda@gmail.com](mailto:thomas.koberda@gmail.com)), PO Box 208283, New Haven, CT 06520-8283. *Right-angled Artin groups and finite subgraphs of curve graphs*. Preliminary report.

It is a result of the second author that if  $\Gamma$  is a finite subgraph of the curve graph of a surface  $S$ , then the right-angled Artin group  $A(\Gamma)$  embeds in the mapping class group of  $S$ . We determine the surfaces for which the converse to this theorem holds. (Received September 09, 2013)