1007-20-198   **Robert W Bell*** (`rbell@math.utah.edu`), Department of Mathematics, 1400 East 155 South, Salt Lake City, UT 84112, and **Dan Margalit**. *Injections of Artin groups.*

We study those Artin groups which, modulo their centers, are finite index subgroups of the mapping class group of a punctured sphere. In particular, we show that any injective homomorphism between these groups is parameterized by a homeomorphism of a punctured disk together with a homomorphism to the integers. The technique, following Ivanov, is to prove that every superinjective map of the complex of curves of a sphere with at least 5 punctures is induced by a homeomorphism. (Received February 21, 2005)

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