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Paul W Lewis* (lewis@math.utk.edu). *Lagrangian representations of the (p, q, r) -triangle group*. Preliminary report.

We consider representations of the (p, q, r) – triangle group by considering embeddings of the reflection triangle group into the full group of isometries of the complex hyperbolic plane. Considering representations where generators of the reflection triangle group are mapped to reflections in Lagrangian planes, we investigate these representations using the configuration of R-circles in the boundary of the complex hyperbolic plane. (Received August 25, 2009)