

## Global Geometrical Coordinates on Falbel's Cross-Ratio Variety

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*Abstract.* Falbel has shown that four pairwise distinct points on the boundary of a complex hyperbolic 2-space are completely determined, up to conjugation in  $PU(2, 1)$ , by three complex cross-ratios satisfying two real equations. We give global geometrical coordinates on the resulting variety.

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