

The locus of matings and captures in $\text{Per}_n(0)$

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Matings and captures are ways to relate decompose a priori complicated rational maps”into well-understood polynomial” dynamics. We present applications of various models for the locus of matings and captures in $\text{Per}_n(0)$ towards problems like irreducibility of $\text{Per}_n(0)$ and locating non-matings and punctures.

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