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Piecewise rational approximation of square-root parameterizable curves using the Weierstrass form

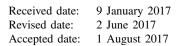
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Highlights

- The situations when hypereliptic curves as results of certain geometric operations or constructions are obtained are studied.
- These curves are birational to plane curves in the Weierstrass form.
- The algorithm for computing an approximate rational parametrization of the Weierstrass curves is designed.
- The method is based on constructing topologival graph of the Weierstrass curves which depends only on computing real roots of univariate polynomials.

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