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A fast robust geometric fitting method for parabolic curves

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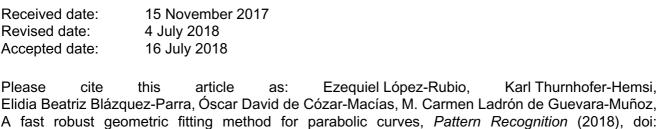
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Highlights

- A new method to fit parabolic curves is presented.
- The method is fast and robust to noisy observations due to the use of absolute error minimization.
- Stability is further improved by normalization of the directrix vector.
- Our approach outperforms state of the art competitors in both synthetic and real datasets.

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