

## Accepted Manuscript

Efficient direction of arrival estimation based on sparse covariance fitting criterion with modeling mismatch

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PII: S0165-1684(17)30067-1  
DOI: [10.1016/j.sigpro.2017.02.011](https://doi.org/10.1016/j.sigpro.2017.02.011)  
Reference: SIGPRO 6406

To appear in: *Signal Processing*

Received date: 22 November 2016  
Revised date: 1 February 2017  
Accepted date: 20 February 2017

Please cite this article as: Shu Cai, Gang Wang, Jun Zhang, Kai-Kit Wong, Hongbo Zhu, Efficient direction of arrival estimation based on sparse covariance fitting criterion with modeling mismatch, *Signal Processing* (2017), doi: [10.1016/j.sigpro.2017.02.011](https://doi.org/10.1016/j.sigpro.2017.02.011)

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**Highlights**

- An algorithm named Capon-SPICE (C-SPICE) is proposed for off-grid DoA estimation.
- C-SPICE estimates on-grid parameters and off-grid errors of DoAs independently.
- A simplified implementation of C-SPICE is proposed.
- An iterative C-SPICE algorithm is proposed for small number of snapshots.

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