

Review of Manuscript-ID: “Adaptive Variational Nonlinear Chirp Mode Decomposition”

All page and line references are with respect to the two-column version

The proposed approach builds upon previous work [21], but it is an enhancement and with wide applicability.

...

There are some additional details that need to be added to the paper to provide completeness.

1. Page 2, line 30, there are some minor errors: in Equation (20), notation u_i^{k+1} is from [24] and does not follow the paper’s adopted notation.
2. In spite of being presented in the Introduction, none of the methods in [11], [14] was used to be compared in Numerical Experiments.
3. ...
4. Comparing the computation times of the proposed method and others would help the readers have a better idea of the accuracy/computation time trade-off achieved [Ref.1].

References

[Ref.1] Ding X, Liang H, Jakobsson A, et al. High-resolution source localization exploiting the sparsity of the beamforming map[J]. Signal Processing, 2022, 192: 108377.