

SPECIFIC QUESTIONS AND COMMENTS TO ADDRESS FOR THIS PAPER

Dear editor,

below are the revisions for each topic raised, as well as a few typos that we found in the text.

1. OK.
2. OK.
3. OK.
4. Line 838 should be replaced with "connections between geometry, topology, and data [54-64].", to explicitly cite those references.
5. OK.
6. The full reference details of reference [53] are provided below.
 - title: Topological marker currents in Chern insulators
 - author: Caio, Marcello Davide and Möller, Gunnar and Cooper, Nigel R and Bhaseen, MJ
 - journal: Nature Physics
 - volume: 15
 - number: 3
 - pages: 257–261
 - year: 2019
 - publisher: Nature Publishing Group.
7. The full reference details of reference [59] are provided below.
 - title: A short course on topological insulators
 - author: Asbóth, János K and Oroszlány, László and Pályi, András
 - journal: Lecture notes in physics
 - volume: 919
 - pages: 997–1000
 - year: 2016
 - publisher: Springer

FQ. Replace Capes with CAPES (BR).

- Q. The full details of reference [46] are provided below.
 - title: Scikit-learn: Machine learning in Python
 - author: Pedregosa, Fabian and Varoquaux, Gaël and Gramfort, Alexandre and Michel, Vincent and Thirion, Bertrand and Grisel, Olivier and Blondel, Mathieu and Prettenhofer, Peter and Weiss, Ron and Dubourg, Vincent and others
 - journal: the Journal of machine Learning research
 - volume: 12
 - pages: 2825–2830
 - year: 2011
 - publisher: JMLR. org
- Q. The full details of reference [62] are provided below.
 - title: Algorithms for manifold learning
 - author: Cayton, Lawrence
 - journal: Univ. of California at San Diego Tech. Rep

- volume: 12
 - number: 1-17
 - pages: 1
 - year: 2005
8. In line 6, apparently a comma is missing: "and Centro Brasileiro de Pesquisas Físicas Rua Dr. Xavier Sigaud..." should become "and Centro Brasileiro de Pesquisas Físicas, Rua Dr. Xavier Sigaud..."
 9. Equation (19c) is missing a minus sign before the integration symbol.
 10. The numbering of references in the Supplemental Material was incorrect. Also, the header of the Supplemental Material originally read "Supplementary Material" instead of "Supplemental Material", as used throughout the main paper. We are sending a new pdf of the Supplemental Material that fixes these issues.
 11. The ORCID links for both authors are: N. L. Holanda (<https://orcid.org/0000-0002-8484-4635>), M. A. R. Griffith (<https://orcid.org/0000-0003-4090-1156>)

Best regards, N. L. Holanda.