Review of: "Correlating exciton coherence length, localization, and its optical lineshape"

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Potential competing interests: No potential competing interests to declare.

This paper focuses on the significance of the exciton bandwidth and exciton energy parameters in conjugate polymers. The authors conducted a comprehensive investigation into the correlating exciton coherence length, localization, and its optical lineshape using various theoretical models. The findings provide valuable insights or understanding the phenomena that govern the exciton bandwidth and the exciton reorganization energy for the optical lineshapes.

In my opinion, the manuscript can be published, provided that the authors will address the issues listed below,

1. symbol for equation (7) $\sigma = k_B T/\tau_c$ defines all the parameters in the Text
2. Similarly for equation (13) H_{lat} and H_{int}