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Complexity and disequilibrium as telltales of superconductivity

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Highlights (for review)

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1) An SU2 x Su2 exactly solvable of superconductivity (SC) is analysed.
2) We provide a statistical treatment.
3) We focus on quantifiers like the statistical complexity C and the disequilibrium D.
4) C detects the SC phase transition by becoming maximal at the constant.
5) D becomes maximal at the SC state, indicative of maximum order.
6) High temperature SC is detected.
7) The temperature is shown to play an ordering role in same cases.

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