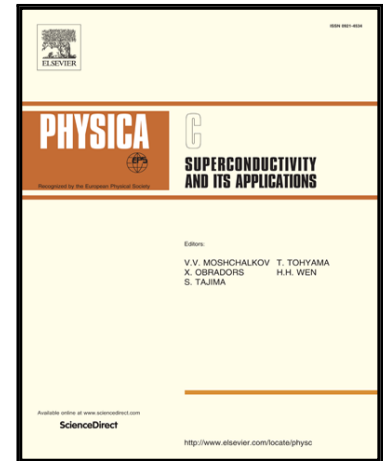


# Accepted Manuscript

Mesoscale vortex pinning landscapes in a two component superconductor

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PII: S0921-4534(18)30255-7  
DOI: <https://doi.org/10.1016/j.physc.2018.08.010>  
Reference: PHYSC 1253387



To appear in: *Physica C: Superconductivity and its applications*

Received date: 4 July 2018  
Revised date: 26 July 2018  
Accepted date: 21 August 2018

Please cite this article as: C.A. Aguirre, H.B. Achic, J. Barba-Ortega, Mesoscale vortex pinning landscapes in a two component superconductor, *Physica C: Superconductivity and its applications* (2018), doi: <https://doi.org/10.1016/j.physc.2018.08.010>

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**Highlights**

- Magnetization and vorticity depends on the size and temperature of the defect
- Magnetic susceptibility is sensible to slow changes of temperature of the defect.
- The vortex structure depends on the number and size of the defect

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