



Mathematical Physics

# Anderson-like Transition for a Class of Random Sparse Models in $d \geq 2$ Dimensions

Domingos H. U. Marchetti, Walter F. Wreszinski

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We show that the Kronecker sum of  $d \geq 2$  copies of a random one-dimensional sparse model displays a spectral transition of the type predicted by Anderson, from absolutely continuous around the center of the band to pure point around the boundaries. Possible applications to physics and open problems are discussed briefly.

Comments: 19 pages, 1 figure. New version corrects misprints and adds pertaining references

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