

Random Matrix Methods For Wireless Communications

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understanding on how random matrix theory can model the complexity of the interaction between wireless devices. It has been more than fifteen years since random matrix theory was successfully introduced into the field of wireless communications to analyze CDMA and MIMO systems. One of the useful

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Random Matrix Theory and Wireless Communications Antonia M. Tulino¹, Sergio Verdú² Abstract Random matrix theory has found many applications in physics, statistics and engineering since its inception. Although early developments were motivated by practical experimental problems, random matrices

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Considering random matrix theory (RMT) is a time-efficient and theory-mature method, we will utilize RMT to analyze the abnormal user detection problem from the perspective of physical layer data ...

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