

Spherical transverse M5-branes from the plane wave matrix model (Goro Ishiki, Tsukuba)

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We consider the matrix theoretical description of transverse M5-branes in M-theory on the 11-dimensional maximally supersymmetric pp-wave background. We apply the localization to the plane wave matrix model (PWMM) and show that transverse spherical fivebranes emerge as the distribution of low energy moduli of the scalar fields in PWMM.

Summary