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# Unitarity techniques for worldsheet scattering

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Unitarity techniques have proven to be a powerful tool for the computation of scattering amplitudes in three and four dimensions. Here the same method is applied to several massive two-dimensional models, including new results for the world-sheet  $AdS_3 \times S^3 \times M_4$  superstring, to compute  $2 \rightarrow 2$  scattering S-matrices at one loop from tree level amplitudes. Evidence is found for a hidden relation with the integrability of the model.

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