

# Notes on Fields

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Minimal notes on Strings, 2d CFTs and QFT. The strings section covers various topics in string theory, including quantization, CFTs, BRST, tree and one loop scattering amplitudes, background fields, superstrings, compactifications, dualities, and AdS/CFT. The 2d CFTs section covers exactly solvable models in 2d CFTs, these include AMM, EMM, GMM and Liouville theory. Topics include representations, fusion, spectrum, BPZ equations, DOZZ and crossing symmetry.

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## I. BOOTSTRAP

Tests

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- [1] S. Ribault, Exactly solvable conformal field theories (2024), arXiv:2411.17262 [hep-th].
  - [2] G. W. Moore and N. Seiberg, Commun. Math. Phys. **123**, 177 (1989).