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COLLEGE of  
ARTS & SCIENCES

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**Affiliation:** University of Miami

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### Duality and Phase Space Quantization

#### Abstract

Duality symmetries can be manifestly realized when theories with these symmetries are quantized using phase space methods. In particular, using these methods and background fields, the bosonic string exhibits  $SO(26,26)$  symmetry, even when the string is not compactified on a torus.