

**Blagojević, Milutin; Sazdović, Branislav**

**Covariant quantization of the bosonic string field theory.** (English) Zbl 0957.81709

Nucl. Phys., B, Proc. Suppl. 15, 57-65 (1990).

Summary: A generalized BRST formalism is developed and used to quantize *E. Witten's* [Nucl. Phys. B 268, No. 2, 253-294 (1986)] field theory of interacting open bosonic strings. The method is based on an off-shell nilpotent BRST symmetry, which is realized by introducing a set of auxiliary fields. An important role in our approach is played by the structure of the classical gauge algebra.

**MSC:**

**81T70** Quantization in field theory; cohomological methods

**81T30** String and superstring theories; other extended objects (e.g., branes) in quantum field theory

**Full Text:** [DOI](#)

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