Introduction to Pure Spinor Formalism

Dr. Yuri Aisaka

(IFT, Sao Paulo)

Abstract
Pure spinor formalism is a new worldsheet formalism for quantizing the superstring in a super Poincare covariant manner. The formalism provides a powerful way to compute scattering amplitudes and is very promising for describing superstrings in general Ramond-Ramond backgrounds.

This lecture covers the very basics of the pure spinor formalism. We begin by explaining why people have sought for a super Poincare covariant quantization of superstring and then elucidate why the pure spinor formalism gives a solution to this problem.

Schedule
March 10 12:30-13:30 Lecture I
14:00-17:00 Lecture II
March 11 10:30-12:30 Lecture III

Lecture Room A, 3rd General Building 4F, NCTS

Contact: Kazuyuki Furuuchi (NCTS)
E-mail: furuuchi@phys.cts.nthu.edu.tw
Web: http://phys.cts.nthu.edu.tw/~string/index.html