

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Status of the Heterotic String Optical Unification Investigation

GERALD CLEAVER, JOHN PERKINS, BEN DUNDEE, RICHARD OBOUSY, MATT ROBINSON, Baylor University, STEPHANIE HATTEN, Walla Walla College, ERIC KASPER, Texas A&M, CASSEL SLOAN, College of Charleston, KRISTIN SLOAN, East Tennessee State University — A weakly coupled heterotic string model was recently constructed that offers the possibility of optical unification. Whether optical unification can be realized depends on the availability of anomaly-canceling D- and F-flat directions meeting certain phenomenological requirements. This paper reports on the current status of a systematic investigation of the optical unification properties of a subset of flat directions of this model that are stringently flat.

Gerald Cleaver
Baylor University

Date submitted: 13 Jan 2006

Electronic form version 1.4