

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

E6 Strings as World Lines FRANK SMITH, Cartersville — E6 has spinor fermion generators for string theory with fermions but no 1-1 boson-fermion supersymmetry. Graded structure $E6=g(-2)+g(-1)+g(0)+g(1)+g(2)$ gives a physically realistic representation of 26 dimensions of string theory with strings interpreted as world-lines. Physical interpretation allows calculations including: WMAP ratio 75.3:20.2:4.5; electromagnetic fine structure constant $1/137.03608$; G_{fermi} 0.0000102; color force strength 0.6286 at 0.245 GeV (Nonperturbative QCD etc give color force strength 0.123 at 91 GeV); and particle masses, neutron-proton and UCC-DCC baryon mass differences, and neutrino mixing and K-M parameters. See CERN CDS preprint EXT-2004-031 and CERN CDS preprint EXT-2003-087 and <http://www.valdostamuseum.org/hamsmith/coscongraviton.html> and <http://www.valdostamuseum.org/hamsmith/snucalc.html#asno> .

Frank Smith
Cartersville

Date submitted: 21 Jan 2005

Electronic form version 1.4