

Foreword to part VII

Nonstandard physics

In part VII we are particularly interested in two suggested modifications of the laws of gravity. The first is ‘MOND’ – modified Newtonian dynamics. The second is what we will call ‘Grothendieck gravity’ – the modification of inverse square laws. We wish to compare ideas with the corresponding theory of general relativity and with experiments. We incorporate an update of ‘Theory and experiment in gravitational physics’ by Clifford Will.