

Index

B

baryonic fraction– 123
baryonic mass – 06
Bose-Einstein Condensation – 40, 125
Burkert profile – 19, 125

C

clusters of galaxies – 02, 08
Cold Dark Matter (CDM) – 17
Coma clusters – 06
Conformal gravity – 82
critical density – 06
cusp/core problem – 19

D

dark matter central density – 106
deflection angle – 09, 78
disk of satellites problem – 20

E

Eddington inspired Born-Infeld(EiBI) Theory –98
Eddery & Paranjape – 101
Einstein angle– 101
Einstein light bending formula – 10
equation of state parameter –34

G

gravitational lensing – 09
Gross-Pitaevskii equation – 41

H

halo – 05
HSB – 51
Hubble parameter – 06

I

impact parameter – 10

K

Klein-Gordon equations – 22

L

Lane-Emden equation -43
lensing mass - 34
logarithmic slope – 55, 57
LSB - 51
Luminous mass to light ratio– 122
Lynden-Bell – 72

M

MACHO – 18
Mannheim-O'Brien (MO) model –108
matter density – 06
missing satellites problem–20

N

Navarro-Frenk-White (NFW) – 49, 125

P

perfect fluid –67
Pseudo Isothermal (PI) profile – 54, 125

Q

quintessence – 22
quadratic potential- 110, 112

R

radiation – 02
rotational curve – 04, 07
rotational curve mass – 34

S

Scalar Field Dark Matter (SFDM) – 21
spiral galaxies – 03

T

THINGS – 50
Tolman-Oppenheimer-Volkoff – 48
total gravitational energy – 28, 72
total number of solar mass unit– 87, 109

U

Universal Rotation Curves (URC) –100, 105

W

Weyl tensor – 83, 108
Weyl angle – 101
Weyl radius – 101
Weyl vacuum – 102
WMAP – 06
WIMPs – 18