

SUBJECT-INDEX

3D geometry models	44	Main Boundary Thrust	25
ACK spoofing	54, 55	Main Frontal Thrust	23, 26
ACM element	34, 35, 36	Mesh distortion	33
Air-sea interaction	14 ,15	Meso-scale model	7, 9
Altix 350	19, 57	Metal forming	43, 44
Andamans	29	Metric shape functions	33
Annual cycle	15	MOM	10
Arabian Sea	14, 15, 16, 17, 18	Monsoon rainfall	5, 6, 7, 10, 11
Atmospheric General Circulation Model	5, 6,10	Mindlin plate element	34
Atmospheric Transport Model	20	Mixed layer depth	16
Attenuation	23	MM5	7, 9
Backscatter analysis	53	Monsoon onset	11
Bay of Bengal	17,18	Monsoon variability	7
Best-fit paradigm	33	NCEP	6,10
Best-fit strain	33, 36	Neotectonics	26
BFS element	34, 35, 36	Neural cryptography	55
Bhuj	29	Neural network	55, 56
Biogeochemical cycles	16	Non-linear dynamics	37
Boundary condition	10	North east India	29, 30
Continuity equation	11	Origin 3900	57
Carbon flux	17, 18, 20	OGCM	10
Coda Q	23,24	Parametric-metric element	33
Coda waves attenuation	23, 24	Parametric shape functions	33
Convective systems	45	Performance evaluation	10,11
Co-seismic deformation	29, 30	Physical-biological-chemical model	17
Darjiling	26, 27	Piezoelectric beam	41
Deformation	28, 30	Plate bending	34, 36
Denial-of-Service attacks	53	Post seismic deformation	29
Ductile fracture mechanics	43	Posteriori error estimates	41, 42
Energy error rule	43	Precipitable water vapor	28
FINEART	41, 42, 43, 44	Quantitative fractography	44
Finite-elements	33, 34, 36, 41, 42, 44	Random key generation algorithm	57
Finite element analysis	34, 41, 44	Rank deficiency	34
Fracture analysis	42, 43, 44, 45	Receiver function	24, 25
Frequency error hyperboloid equation	36	Secure communication	55
GPS	25, 26, 28, 29, 30	Sikkim	26, 27, 29, 30
Himalayan arc	25, 26, 30	Siwalik	25, 26
Himalayas	23, 24, 25, 27	Soil moisture	7
Hydrology model	7	Spurious energy modes	34
Hyperboloid equation	36	SST module	10
Indian Ocean	9,10	Storage virtualisation solution	57
Indian subcontinent	28, 30	Super convergent patch recovery	41, 42
Initial conditions	6, 10, 11, 12, 13	Sweep test	36
Inter Annual Variability	14, 15, 16	Thermocline variations	14
Isotropic-elastic plastic	43	Tropical Cyclone forecast	9,10
J-Integrated technique	42	Unsymmetric formulation	33
Laminated composite beam	41	Variable resolution	5, 6
Large plasticity simulations	43	Variation mapping functions	42
Large scale variation	7	Variational calculus	36
Lorenz systems	14	Virtual work principle	57
Long Range forecasts	5	Wedge	25