Index

accelerations, 31
Adam, J.M., 31
Aoki, T., 127
autoregressive vectors, 127

blast, 279
blast loads, 309
brick chimney, 127

chimney, 31
compression, 157
concrete blocks, 309
constitutive behaviour, 223
contained underground explosions, 255
cracking, 31

damage, 157
Davidson, J.S., 279
del Coz Díaz, J.J., 181
Dhanasekar, M., 99
Drosopoulos, G.A., 1
dynamic identification, 127
dynamic test, 127

Eamon, C., 309
eigensystem realization algorithm, 127
energy savings, 182
explicit solver, 99
explosions, 309

fibre-reinforced polymer, 1, 31
finite element analysis, 309
finite element modelling, 182
finite elements, 1, 99, 157
finite elenet model, 255

Haider, W., 99
hollow brick wall, 182
homogenisation techniques, 223

inverse eigensensitivity method, 127
Ivorra, S., 31

light concrete, 182
limit analysis, 223
Lourenço, P.B., 223
low rise structures, 255
Lucchesi, M., 55

masonry, 55, 157, 223, 279
Massalas, C.V., 1
membrane retrofit, 279
Milani, G., 223
model updating, 127
Moradi, L.G., 279
moving average vectors, 127

non-linear analysis, 1
non-linear complex heat transfer, 182
nonlinear dynamics, 55
numerical methods, 55

Padovani, C., 55
Page, A.W., 99
Pallarés, F.J., 31
Pallarés, L., 31
Pasquinelli, G., 55
Pintucchi, B., 55
protection, 279
pushover analysis, 127

Qaisar, A., 255

Ramalho, M.A., 157
reinforced masonry, 99
reinforcement, 1
reliability, 309
resistance, 279

Sabia, D., 127
seismic capacity, 255
seismic performance, 127
shear walls, 99
Shrive, N.G., 99
simulation earthquake, 255
static collapse test, 127
Stavroulakis, G.E., 1
stone arches, 1
strengthening, 31

Taliercio, A., 157
testing, 157
thermal optimization, 182

unreinforced masonry, 255

Zani, N., 55

mmxvii