

## Index

- affine connection. 122
- agnosia, 39
- agonist, 7-9
- Aharonov, Y., 127
- Anand, K. J. S.,
- anchor clusters, 47
  - experiences, 18, 45-49
  - locations, 36
- antagonists 8-9
- artificial Intelligence, 2
- automaton, 4
- autoradiography, rats, 9
- binding code, 19
- Bohr, N., 55-56, 59
- Born interpretation, 11
- calcium ions, 16
- call-up code, 18, 57
- Cartesian theater, 30
- cat paradox, 60
- Causal order, 132
- Chambers, D. J., 2
- Christoffel symbols, 122
- Clifford, W., 2
- collapse of wave, 11, 82, 86
- Collett, B. 97
- Compton scattering. 79
- conscious pulse, 14-15, 22
- consciousness, evolution, 1-5, 45-49, 53
  - manifestation, 28-29, 33
  - organic model, 19, 57
  - production, 28-29, 33
- continuous evolution, 14
- Copenhagen interpretation, 12, 55, 61
- Coulomb's law, 120
- Crick, F., 31
- Dark period, 87
- Dehmelt, D. 87
- Dennett, D., 2, 31, 36, 55-56, 58
- Descartes, R., 29-30
- Doppler shift, 117
- dynamic principle, 24
- electric vector, 120
- electromagnetic potentials, 119, 120
- electromagnetic radiation, 119
- endogenous superposition, 15
- Engle, A. K., 32
- entangled particles, 129
  - state reduction, 130-132
- environment, 64
- Erber, T., 88
- Everett, 12
- faux processes, 69, Chap 12
  - cascades, 95
  - decay, 96
- Feynmann, R. 120
- fish brain, 5
- Fluorescent period, 87
- free neutron decay, 69-70, 95
- free will, 3, 7
- gestalts, 38-41
- Ghirardi, G.C., 97, 100
- Ghirardi-Pearle collapse, 12, 84
- graviton, 104, 122-126
- gravity waves, 125
  - detectors, 101, 125
- Hamiltonian, 134
- Helwig, K. E., 127
- Hermitian operator, 137
- Hofstadter, D., 2
- Hoshberg, L.R., 51
- Huygens' wavelets
- interaction Hamiltonian, 136
  - picture, 136-138
- internal coordinates, 11????
- James W. , 2
- Kohler, I., 53
- LaDoux, J., 37
- Landow, L., 118??
- lasers, 80
- launch component, 68
- left contralateral neglect, 41
- Levinthal, C. E., 8
- ligands, 24
- LIGO, 101, 125
- Lipsitt, L. P., 36
- local grid, 107
- localization, Chap. 10
- Mach, E., 59
- magnetic vector, 120
- Maldacena, J., 104
- manifold, general relativity, 104
- metric tensor, 122, 124, 125
- micro-disk, 97

- minimum volume, 84, 86
- Minkowski, architecture, 133, 134
- motor response, 14
- Mould, R. A, 18??
- Nagle, N., 7
- Nector Cube, 37
- neighborhood, 106, 107
- neuromotor prostheses, 51
- neurotransmitter, 24
- Newtonian inertial system. 103
- nociceptive neurons, 19
- Noe, A., 53
- non-anchor, experiences, 19, 45-49
  - locations, 37
- normalization, 109, 113
- null measurement, 88, 91
- O'Regan, J. K., 30, 36, 53, 56, 58
- observer, primary, 63
  - secondary, 64
- operator comutator, 135
- opiate binding, 7
  - receptors, 19
- orthogonality, 65, 138
- Oshiro, 37
- panpsychism, 2
- parallel principle, 4
- particle capture, 67-69, 95
- partition lines, 104, 124
- Pearle, P. 97, 100
- Pegg, D. T., 87
- Penrose, R., 12
- periodic interaction, 16
- perpendicular, 107
- PET scan, 7-9
- photon, energy mom. Exchange, 116
- photon, radiation, 115
- photons, virtual, 119
- Porrati, M. 87
- probabiity, single toss, 62
  - current, 11, 65
- prosopagagnosia, 39
- q-rule component, 64
  - equation, 64
  - experiment, Chap. 13
- q-rules, 12, 16, 66, Chap 9
- quantum jump, 11, 65, 135
- Rabbi oscillation, 16
- ready component, 12, 16, 65
- realized component, 12, 16, 65
- reset states, 89, 90
- resonance oscillation, 13,
- Resonance states, 88
- Ricci tensor, 122
- Riemannian tensor, 122
- Rose, J. D., 5
- Schrödinger equation, 82-83, 86
- Schrödinger, process, 93
- Schwarzschild coordinates, 122, 123
- shelved state, 87
- Shimony, A., 88
- simultaniety, 133
- solenoid, 121
- square modular flow, 104
- square modulus, 65
  - conservation, 137-138
- Stapp, H., 16
- state, definition of, 127, 128
- stimulus/response, 4
- stochastic trigger, 16
- symmetry, General relativity, 118, 123
  - Newtonian, 103
  - relativistic, 117
- synaptic junction, 24
- t'Hooft,
- tactual object agnosia, 40
- temporal binding, 31-32
- Titeler, M., 9
- uncertainty, energy, 68, 93, 94
  - gravity 123
  - time, 93, 94
- Vesey, G. N. A., 37
- visual inversion, 52-53
- voltage gated ion channel, 19, 25
- von Neumann, J., 4
- Weber bar, 101. 125