

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)*Index*

- absent qualia hypothesis, 190
- act-object theory, 224
- adverbialism, 178, 180, 224
- Alston, William, 221–2
- anthropocentric features, 22–3
- antineutrons, 129, 131–2
- apparent memories, 197
- appearance properties, 177–8, 183–6
- appearance/reality distinction, 171
- Armstrong, David
  - disjunctive property, 21
  - identity theory of color, 32
  - structural property, 17
- astral sign, 218–22
- asymptotic freedom, 247
- atomic nucleus, 245
- availability problem, 10–11
  
- backtrackers, 59
- Baker, Lynne, 1
- baryons, 247
- Batterman, Robert, 238
- behavior
  - of cashiers, 157
  - causal explanation of, 154–66
  - real system, 233
  - of vending machines, 157
- behaviorism, 111
- beliefs
  - epiphenomenalism and, 160–1
  - extrinsic properties of, 160
  - as mental state, 38–9
  - one-belief position, 31–2
  - opacity of, 29–30
  - relational individuation of, 160
  - relational properties of, 160
  - same-belief position, 30–1
- biological properties, reducibility of, 10
- Blackburn, Simon, 1
- Block, Ned, 85, 167
- blue, awareness of, 215
  
- Boltzmann, Ludwig, 125
- Bos taurus*, 21–2
- brain, 19–20
  - biological states of, mental states and, 162
  - internalist thesis, 206
  - state token, 205
  - states, 27
  - stem, 205
  - in a vat, 200
- Broad, C. D., 94–5
- Burge, Tyler, 1
  
- Campbell, John, 215–19
- Canberra Plan, 106–10
  - disjunctive ground, 113–22
  - grounding and, 122–6
  - metaphysics, 113–22
  - multiple realization and, 126–33
  - ontology, 113–22
  - reductive physicalism and, 122–6
  - second order property, 112–13
  - theoretical identities, 122–6
- Canberra-style analysis, 91–2
- cashiers, behavior of, 157
- causal completeness of physics, 50
- causal exclusion, 1
- causal inheritance principle, 145
  - subset version of, 146
- causal powers, 3
  - exclusion argument, 52
  - of lower- vs. higher-order properties, 23
  - property and, 2
- causal profile of property, 139–42
  - backward looking, 139
  - forward looking, 139
- causal transactions, nonreductive realization
  - physicalism and, 69–70
- causality, fundamental laws and, 88–9
- causation
  - conceptual analysis, 93–4
  - counterfactual theories of, 100

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

## Index

263

- as dependence, 56
- extant theories of, 93
- imminent, 140
- nommic subsumption theory of, 90
- oomph factor in, 90–1
- as production, 88
- regularity theory of, 90, 94–5
- relata* of, 93
- transference theories of causation, 92–3
- transference theory of, 90
- ceteris paribus* law, 49
- C-fiber ring, 47
- C-fiber stimulation
  - MSE-properties and, 150–1
  - pain and, 107–8
  - pain instance realizer and, 145, 146–7, 148
  - prosthetic, 147
- Challenger* space shuttle disaster, 80
- Chalmers, David, 108
- Chinese, grammatical sentences in, 33–5
- closure principle, 50
- cognitive psychology, 157
- coins, 154
  - epiphenomenalism, 160–1
  - intrinsic properties, 157
  - monetary-machine interactions, 159
  - supervenience and, 163
  - V properties, 158
  - vending machines and, 156–7, 159
- color
  - blue, 215
  - identity theory of, 32
  - phenomenal internalism and, 199
  - phenomenal yellow, 175–7
  - red, 146, 203, 224
  - visual awareness of, 170
  - yellow, 175–7
- Commander Data (fictional character), 115–17
- common causes, 59–60
- computation, 128
- computational roles, 128
- computer science, 157
- computers, 128
- concept, functionalization of, 74
- concrete realizers, 143
- concrete state of affairs, 148–9
- consciousness, 128, 130, 213, 214–15
- convention, 3
- conventionality challenge, 19–20
- conventionality objection, 3
- core physical realizer, 97
- core realizers, 87
  - functional states/events and, 84–5, 87, 101
  - manifestations, 95
- counterfactuals, 56
  - backtrackers and, 59
  - causation and, 100
  - common causes and, 59–60
  - construal of, 57
  - disjunctive events and, 103
  - epiphenomenalism and, 60–1
  - mental causation and, 62
  - mind-body, 57–8
  - omissions and, 61–2
- C-type events, 96, 97
- Davidson, Donald, 1
  - “Defense of Common Sense, A” (Moore), 215
- Dennett, Daniel, 109–10, 127, 129
- dependence, 54–5, 59
  - backtrackers and, 59
  - causation as, 56
  - common causes and, 59–60
  - epiphenomenalism and, 60–1
  - omissions and, 61–2
- Descartes, René, 8
- diazepam, 112
- direct acquaintance theory, 178, 179
- disjunctive events, 103
- disjunctive property, 20–1
  - reduction to, 11
- disjunctive universals, 21–2
- distinct realizers, 2
- DNA molecule, 15, 106
- dogfish, 226–7
- dormativity, 85
  - first-order chemical realizing properties, 112–13
  - second-order property, 111–12
- doxastic theory, 178–9, 180–1
- Dretske, Fred
  - on another creature’s experience, 226–7
  - blind person’s visual experience of movement, 227
  - on intrinsic changes in experiences, 228–9
  - mental facts, 226
  - Naturalizing Mind*, 226
  - phenomenal externalism, 225–30
- dual effects, 99–100
- dualism, 114
  - primitive representational relations and, 196
  - of properties, 9, 32–3
- Ducasse, C. D., 67
- economical reduction, 10
- Eiffel Tower, 137
- emotional qualia, 169
- English, grammatical sentences in, 33–4
- entrenchment, sociolinguistic property of, 22–3
- entropy, 125

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

264

*Index*

- epiphenomenalism, 60–1, 65
  - mental causation and, 83
  - Standard Theory, 160–1
  - token, 66
  - type, 66, 80
- epiphenomenality, 3, 4
- epistemic access, 23–4
- epistemic agents, 23–4
- epistemic sense, 168–9
- equilibrium, 242–3
- errors, 247, 248–9
- event-forming operations, 100–1
- events
  - causal efficacy in, 86–7
  - causal powers, 86
  - constitutive properties of, 79
  - exclusion of mental properties as constitutive properties of, 145
  - extrinsic, 103–4
  - property exemplification conception, 78–9
- exclusion argument, 51–4, 63
  - functional properties, 52
  - mental cause and, 53
  - physical cause and, 53
  - supervenience and, 20
- exclusion problem, 65
- exemplification, 224
- existence-constituting state of affairs, 137–8
- existential states of affairs, 142
- experiences
  - intrinsic change in, 228–9
  - objects as determinants of, 219
  - phenomenal character, 190
  - relational change, 222–5
  - relational view of, 215–19
  - transparency of, 209–12, 214
- experiential awareness, 177–8. *See also* visual awareness
  - adverbialism, 178, 180
  - direct acquaintance theory, 178, 179
  - doxastic theory, 178–9, 180–1
  - representationalism and, 173–4
- explanatory gap, 47, 191
- explanatory practices, 157
- externalism, 47
  - phenomenal, 191–2, 200, 225–30
  - radical, 215–19
- extrinsic events, 103–4
- extrinsic properties, 103–4, 158
- filler-functionalism, 71–5, 81–2. *See also* functionalism; role-functionalism
  - mental events and, 72, 73–4
  - type-physicalism, 72–3
- fire, 199–200
- first-order property, 112–13, 118–19. *See also* second-order property
  - functionalism and, 127
  - mental properties as, 150
  - microphysical state of affairs embedding properties (MSE-properties) and, 151–2
- Fodor, Jerry, 15–16, 45
- foundational physical theories, 232
  - characterizing world with, 233–4
  - limits of, 238–9
  - ontological commitments, 234
  - problems in, 232–4
  - real system behavior and, 233
  - relevance of philosophy in, 234–6
  - scope of, 236–41
  - universal applicability of, 232–3
- freezing, 123–4
- fuel gauges, 208
- functional events. *See also* events
  - antecedents of regularities, 95
  - core realizers and, 101
  - manifestations and, 84–5
  - role-functionalism and, 104
  - tokens, 82
- functional properties, 8, 46. *See also* properties
  - causally explanatory, 80
  - constitutive properties of events, 82–3
  - exclusion argument, 52
  - exemplifications of, 81
  - extrinsic properties and, 103–4
  - global supervenience thesis, 77–8
  - G-property and, 46
  - local reductions and, 11–17
  - mental properties and, 80
  - property exemplification conception, 78–9
- functional reduction, 20
- functional states. *See also* mental states
  - causal efficacy in, 86–7
  - causal powers, 86
  - Humean responses, 85–6
- functionalism, 109–10
  - behaviorism and, 111
  - first-order property and, 127
  - neurofunctionalism, 126, 127–8
  - pain and, 114
  - physics and, 110
  - psychofunctionalism, 126
  - second-order property and, 127
- functionalist theory of mind, 15–16
- functionalization
  - of concept, 74
  - as conceptual analysis, 74–5
  - of mental properties, 4

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

## Index

265

- generalization argument, 51
- generalization problem, 3
- genes, 15
- geological properties, reducibility of, 10
- geometrical optics, 238
- Gettier problem, 93
- global supervenience thesis, 77–8
- Goodman, Nelson, 21
- G-property (genuine property), 42–4, 49
  - functional property and, 46
- grammaticality, 33–4
  - causation and, 35–7
  - in Chinese, 33–5
  - in English, 33–5
  - role property, 34–5, 37
  - shape property, 34–5, 37
- Gresham's Law, 16
- grounding, 122–6
  - multiple realization and, 126–33
- grouping
  - anthropocentric features and, 22–3
  - nomic, 22
- H<sub>2</sub>O, 13–14, 30–1
  - causal efficacy of water, 8–9
  - causal powers of, 3
  - grounding hypothesis, 125–6
  - lattice formation, 122–3
  - one-belief position, 31–2
  - same-belief position, 30–1
- Hall, Ned, 54
  - nomic subsumption theory of, 90
- hallucination, 221
- Harman, Gilbert, 210–11
- heat, 122
- higher-level properties, 3–4, 8
  - supervenience and, 18–19
- higher-order properties, 3–4, 8
- Hill, Christopher, 210
- Humean principle, 88
- Huxley, Thomas, 60–1
- Huyghens' principle, 238
- idealization
  - errors and, 247, 248–9
  - theoretical account of world and, 242–5
- identity theory, of color, 32
- immanent causation, 140
- incoherence challenge, 19–20
- incoherence objection, 3
- inelasticity, 80
- instance-identity thesis, 146, 148
- instantiations, 136
  - M\**-instantiation, 6–7
  - M*-instantiation, 6–7
  - P\**-instantiation, 6–7
- instrumentalism, 242
- intentional states, 163
- internalist thesis, 206–8
  - brain, 206
  - microphysical duplicates, 207–8
- intrinsic properties
  - phenomenal character and, 203–6
  - phenomenal internalism and, 201–2
  - qualia as, 169–70
- introspection, 202–3
- inverted spectrum hypothesis, 190–1
- irreducibility, 42
- isotopes, 246
- Jackson, Frank
  - causal efficacy, 86–7
  - on *Challenger* disaster, 80
  - core realizers, 84–5
  - Humean principle, 88
  - temperature and kinetic energy, 107
- Jackson-Lewis physicalism, 41
- Johnson, W. E., 140
- Juhl, Cory, 200
- killer states, 86
- killer structures, 84–5
- Kim, Jaegwon
  - causal exclusion argument, 1
  - exclusion argument, 51
  - filler-functionalism, 74
  - functional model of reduction, 108–9
  - mental causation, 40
  - on mental causation, 64
  - mental properties, 25
  - Mind in a Physical World*, 10, 67–8
  - mind-body antireductionism, 9
  - paradigm of reductive explanation, 119
  - physicalism, 40
  - Physicalism, or Something Near Enough*, 74
  - property, 2
  - quantification, 76
  - realization physicalism, 68
  - reductive physicalism as functional reduction, 106
  - reductive physicalist approach to mind, 121
  - supervenience/exclusion argument, 50–1
  - theoretical identity, 123–4
- Kind, Amy, 211–12, 214
- kinetic energy, 107
- knitting needle, functional property, 12–13
- lattice formation, 122, 123–4
- Lavoiser, Antoine, 31–2

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

266

*Index*

- lawfulness, intensionality of, 2–3
- Leibniz's Law, 29
- leptons, 247
- level, 3
- Levine, Joe, 47, 106
- Lewis, David, 11, 107–8
  - conception of properties, 76
  - functionalist/physicalist theory of, 119–20
  - Martian pain, 119–20
  - neutrons/antineutrons, 131–2
  - physicalism, 115
  - property exemplification account of events, 81–2
  - “Ramseyan Humility,” 131
  - reductionism, 120
- liquid drop model, 246, 249
- local reductions, 11
  - functionalizable properties and, 11–17
- Locke, John, 216
- Lockean hypothesis, 184–5
- Loewer, Barry, 87
  - causation as production, 88, 89
- Lolita, 193, 194–9
- looks
  - epistemic sense of, 168–9
  - phenomenological sense of, 168
- loose reduction, 10
- low pressure system, 53
- $M^*$ -instantiation, 6–7
- Machian foundation of dynamics, 243
- macroproperties, 17, 52, 122, 125, 161
- “Mad Pain and Martian Pain” (Lewis), 11
- manifestations, 84, 95
  - function events and, 84–5
- Martian pain, 115, 119–20, 121, 147–8
- materialists, 159
- Melnyk, Andrew, 95–7
- memories, apparent, 197
- mental causation, 40–63
  - causation as dependence, 56
  - counterfactuals and, 62
  - exclusion argument, 51–63
  - nonreductive physicalism and, 41–50
  - psychophysical identities and, 64–104
  - Standard Theory, 161–4
  - supervenience/exclusion argument, 50–1
  - as supervenient causation, 161
- mental events, 65. *See also* events
  - causal effects, 79
  - epiphenomenalism of, 66–7
  - filler-functionalism and, 73–4
  - mental properties and, 65, 67
  - nonreductive realization physicalism and, 68–104
  - physical events and, 65–6
  - theory of causation and, 83
  - tokens, 81
- mental language, 33
- mental paint, 210, 214
- mental properties, 1
  - as causal idlers, 27–8
  - dualism of, 37–8
  - exclusion as constitutive properties of events, 145
  - exemplifications of, 68
  - explanatory gap, 47
  - externalism and, 47
  - as first-order properties, 150
  - functional properties and, 80
  - functionalization of, 4
  - mental events and, 65, 67
  - multiple realization and, 45–7
  - neurological vs., 33
  - physicalism and, 25–6
  - supervenience, 6
- mental residue, 171, 187
- mental states, 26–7. *See also* functional states
  - biological states of brain and, 162
  - Canberra Plan and, 107–8
  - Humean response and, 85–6
  - multiple realizability and, 28–9
  - pain as, 110–11
  - phenomenal states, 162
- Merricks, Trenton, 17
- metaphysical realism, 113–22
- metaphysics, 113–22
- MG-property, 44–5
- microentities, 137, 141, 143, 147
- microphysical duplicates, 204
  - internalist thesis, 206
  - phenomenal internalism and, 200–1
- microphysical state of affairs, 134–5, 142–4
  - causal profile of property and, 139–42
  - existence of objects and, 136–9
  - existence-constituting, 137–8
  - isomorphism, 141
  - microentities, 137
  - property instantiations and, 136
- microphysical state of affairs embedding
  - properties (MSE-properties), 150–3
  - disjunctions of realizers, 151–2
  - first-order property and, 151–2
  - property realizers, 152–3
  - second-order property, 151–2
- microproperties, 17, 20, 122, 125
- microrealization, 134–53
  - microphysical state of affairs, 134–5
  - property instances, 144–9
  - same-subject property realization, 135–6

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

## Index

267

- microstates, 161
- mind
  - functionalist approach to, 128–9
  - functionalist theory of, 15–16
  - metaphysical problem of, 128–9
  - physicalist approach to, 128–9
- Mind in a Physical World* (Kim), 5, 10, 67–8
- mind-body antireductionism, 9
- mind-brain identity theory, 27, 38
- M*-instantiation, 6–7
- molecular structure, 15–16
- Molyneux, William, 216
- monadic events
  - nonduplication principle for, 78
  - property exemplification conception, 78–9
- monetary exchange, 16
- monetary value, 159
- monetary-machine interactions, 159, 164–5
- money, 154
  - extrinsic properties of, 155
  - S* properties, 157, 158–9
  - V* properties, 158
  - vending machines and, 156–7, 159
  - V*-generalizations, 159
- Moore, G. E., 209, 213–15, 219
- M*-overdetermination, 57
- M*-property (mental property), 44, 49, 108–9
- multiple domain supervenience, 18
- multiple realizability (MR)
  - availability problem and, 10–11
  - disjunctive properties and, 20, 21
  - grounding and, 126–33
  - inverted or absent qualia and, 130
  - mental properties and, 1, 33, 45–7
  - mental states and, 28–9
  - nonreducibility of special sciences and, 15–16
  - properties, 2
  - structure-specific reductions and, 11
- multiply instantiated properties, 17
- naïve realism, 220
- Naturalizing Mind* (Dretske), 225–30
- negation, 102
- “Neumanian” forms of nonreductive materialism, 1
- neural event, 204
- neural networks, 19
- neural states, 199
- neurochemistry, 127
- neurofunctionalism, 126, 127–8
- neurological properties, 33
- neuromodulators, 127
- neuron-diagram, 98–9
- neurons, 204–5
- neuroscience, 27, 127–9
- neurotransmitters, 128
- neutrons, 129–30, 131–2
- no effects without physical effects principle, 64
- nomic subsumption theory, 90
- nonequilibrium states, 242–3
- nonreductive materialism, Neumanian forms of, 1
- nonreductive physicalism (NRP), 8, 41–50
  - irreducibility and, 42
  - Jackson-Lewis physicalism and, 41
  - mental causation and, 42
  - “no casual work left to do” intuition and, 87
  - physical laws and, 48–9
  - physical nomological closure and, 41
  - stability of, 49
- nonreductive physicalists, 9
- nonreductive realization physicalism (NRP), 68–104
  - causal transactions and, 69–70
  - filler-functionalism, 71–5
  - functionalist idea of realization and, 70–2
  - role-functionalism, 75–6
- N*-realizer (nonspecific realizer), 143–4, 145
- nuclear fission, 246
- nuclear orbital model, 247, 249
- nucleons, 246–8
- nucleus, 246–8
- objects
  - appearance properties, 183–6
  - causal relevance of, 155–6
  - as determinants of experience, 219
  - extrinsic properties of, 158
  - monetary value of, 154–7
  - relational property of, 154
  - sameness of, 218
- observations, 245–50
- omission-causation, 102
- omissions, 61–2
- one-belief position, 31–2
- ontological economy, 5
- ontological physicalism, 117
- ontological pluralism, 245
- ontological reduction, 1
- oomph factor, 90–1
- optics, 238
- orbital model, 247, 249
- order, 3
- over-determination, 27–8
- P* property, 142, 149–50, 203
- P*\*-instantiation, 6–7

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

268

*Index*

- pain, 28
  - beliefs and, 29–30
  - C-fiber stimulation, 107–8, 146–7, 148
  - functionalism and, 114
  - instance realizer, 148
  - Martian, 121, 147–8
  - mental properties and, 38
  - as mental state, 38–9, 110–11
- paper money, 154
  - extrinsic properties of, 155
  - S properties, 157, 158–9
  - supervenience and, 163
  - V properties, 158
  - vending machines and, 156–7, 159
  - V-generalizations, 159
- particle-particle interactions, 247
- P-core, 144
- pegs-and-hole interactions, 16
- perceptual awareness, 178, 180
- perceptual qualia, 169
- phenobarbital, 112
- phenomenal character
  - definition of, 190
  - experiences, 190
  - explanatory gap, 191
  - intrinsic properties and, 201–2, 203–6
  - introspection, 202–3
  - inverted spectrum hypothesis, 190–1
  - nonphysical, 206
  - representationalism and, 195
  - sameness of, 218
- phenomenal externalism, 191–2, 200, 225–30
- phenomenal internalism, 199–203
  - brain in a vat, 199–200
  - color vision and, 199
  - intrinsic properties and, 201–2
  - microphysical duplicates and, 200–1
  - neural states and, 199
  - physicalism and, 192
- phenomenal internalists, 191
- phenomenal states, 162, 199
- phenomenal yellow, 175–7
- phenomenological sense, 168
- phenomenological thermodynamics, 125
- phenomenology
  - folk concept of, 120
  - metaphysical dualism, 116
- philosophy of science, 231–51
  - distinct programs, 231
  - idealization function in theories, 242–5
  - methodological observations, 245–50
  - multiple interpretation of theories, 250–1
  - relevance of, 234–6
  - scope of theories, 236–41
  - transcience of theories, 251
- physical causal closure, 64
- physical effects principle, 65
- physical nomological closure, 41
- physical optics, 238
- physical properties
  - exemplifications of, 68
  - first order, 113, 127
  - second order, 127
- physicalism, 42, 114
  - body sensations and, 196
  - mental properties and, 25–6
  - nonreductive. *See* nonreductive physicalism (NRP)
  - phenomenal character and, 206
  - phenomenal internalism and, 192
  - reductive, 42
- Physicalism, or Something Near Enough* (Kim), 74
- physics, 129
  - causal completeness of, 50
  - foundational theories of, 232
  - functionalism and, 110
- pictorial cues, 168
- planet Xenon, 192–4, 196, 198–9
- Platonic realism, 224
- pluralism
  - in description and explanation, 237
  - ontological, 245
- production, 54–5
- projectible predicates, 21, 22
- properties
  - abundant conception of, 83
  - beliefs, 29
  - causal powers and, 2
  - causal profile of, 139–42
  - disjunctive, 20–1
  - dualism of, 9, 32–3
  - higher-level, 3–4, 8
  - higher-order, 3–4, 8
  - microbased, 17
  - multiple realizable, 20, 21
  - multiply instantiated, 17
  - structural, 17
- property exemplification conception, 65
  - functional properties and, 78–9, 81
  - mental events and, 65–6, 67
- property instances, 144–9
  - C-fiber stimulation, 148
  - concrete state of affairs and, 148–9
  - modal properties of, 149
- property-forming operations, 100–1
- prosthetic C-fiber stimulation, 147

Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)*Index*

269

- psychofunctionalism, 126
- psychological properties, 24
- psychology, 11
- psychophysical identities, 64–104
- Putnam, Hilary, 16
- Q* property, 149–50
- Q*-core, 144
- qualia, 74, 170
  - absent, 130, 190
  - appearance properties, 183–6
  - appearance/reality distinction, 171
  - definition of, 169
  - emotional, 169
  - as intrinsic properties, 169–70
  - inverted, 130
  - perceptual, 169
  - as perceptual awareness, 180
  - reductive physicalism and, 122
  - representationalism and, 171–8
  - representationalist theory of, 182–3
  - sensory, 169
  - types of, 167–8, 169
- quantification, 76, 102–3
- quantum chromodynamics, 247, 249–50
- quantum numbers, 246
- quark binding theory, 247
- radical externalism, 215–19
  - definition of, 216
  - Molyneux's question, 216
  - primitive consciousness of shape and, 217
- radical transparency, 209–13, 230
  - awareness of blue and, 215
  - consciousness and, 213, 214–15
  - contemporary transparency views, 209–12
  - G. E. Moore and, 213–15
  - mental paint and, 214
  - phenomenal externalism and, 225–30
  - relational view of experience and, 215–19
  - strong transparency, 214
  - troubles with
    - change in experience is not merely relational change, 222–5
    - objects as not sole determinants of experience, 219
- Ramsey, Norman, 129–30
- Ramsified physics, 131
- realism, Platonic, 224
- realization, 70
  - filler-functionalism, 71–5
  - functionalist idea of, 70–2
  - realization physicalism, 68
- realizers, 2
  - concrete, 143
- red, 146, 203, 224
- reduction
  - causal competition and, 8
  - economical, 10
  - functional model of, 108–9
  - local, 11
  - loose, 10
  - structure-specific, 11
- reductionism, 120
- reductive explanation, 1
- reductive physicalism, 42, 122–6
  - qualia and, 122
  - theoretical identities and, 125–6
- reflectance, 32
- reflection, 238
- refraction, 238
- “Refutation of Idealism, The” (Moore), 209
- regularity theory of causation, 90, 94–5
  - dual effects, 99–100
  - undercutting, 95–6
- Reid, Thomas, 212
- relational change, 222–5
- relational view of experience, 215–19
- representationalism, 167, 171–8
  - alternatives to, 178–82
  - appearance properties and, 177–8
  - experiential awareness and, 173–4, 177–8
  - iconic dimension, 174–5
  - phenomenal character and, 195
  - qualia and, 182–3
  - visual awareness and, 187–9
- role property, grammaticality, 34–5, 37
- role-filler property, 12–13
- role-functionalism, 75–6, 104. *See also* filler-functionalism; functionalism
- role-property, 12–13
- Russell, Bertrand, 55, 88
- Russellian notation, wffs in, 34
- S* properties, 157, 158–9
- same-belief position, 30–1
- same-subject property realization, 135–6. *See also* multiple realizability (MR)
- Sartre, Jean Paul, 214
- scarlet, 145, 146
- Schaffer, Jonathan, 102
- science
  - general methodology of, 231
  - methodological philosophy of, 231



Cambridge University Press

978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:

Themes from the Philosophy of Jaegwon Kim

Edited by Terence Horgan, Marcelo Sabatés, and David Sosa

Index

[More information](#)

270

*Index*

- second-order property, 112–13. *See also* first-order property
- dormitivity as, 111–12
  - functionalism and, 127
  - identification with first order property, 118–19
  - instances, 145–6
  - microphysical state of affairs embedding properties (MSE-properties), 151–2
  - same-subject property realization, 135
- sensations, 229
- sense data, 219
- sensory qualia, 169
- shadow cast by neurophysiology, 204
- shape, primitive consciousness of, 217
- shape property, grammaticality, 34–5, 37
- short circuit, 199–200
- similarities, 110
- simpliciter, 2, 228
- sleep, 112–13
- Smart, J. J. C., 105
- Snell law of refraction, 238
- Socrates, 103, 113
- special sciences, 236–7
- speedometer, 207–8, 226
- square pegs, 16
- atom arrangements and, 18
  - macroproperties, 17–18
- S-realizer (specific realizer), 144
- Standard Theory, 160
- epiphenomenalism and, 160–1
  - intentional states, 163
  - mental causation and, 161–4
- Star Trek: The Next Generation*, 115
- state token, 204, 205
- statistical mechanics, 242–3
- strong reduction, 1
- strong transparency, 211–12, 214
- structural property, 17
- structure-specific reductions, 11
- superficial isomorph, 116
- superficialism, 117–18
- supervenience, 5–8, 154–63, 166
- analogy, 159–60
  - causal explanation of behavior and, 154–66
  - higher-level properties and, 18–19
  - mind-body antireductionism and, 9
  - multiple domain, 18
  - weak, 155
- supervenience/exclusion argument, 50–1
- Swampman, 187–9
- temperature, 107, 122, 229
- theoretical identities, 105, 122–6
- epistemology of, 123–4
  - equals for equals in, 123–4
  - opaque explanations for, 124–5
  - reductive physicalism and, 125–6
- theories
- domains of, 237
  - idealization and, 242–5
  - multiple interpretation of theories, 250–1
  - relationship between, 238
  - scope of, 236–41
  - of special sciences, 236–7
  - transcience of, 251
- thermometer, 229
- thick properties, 140
- thin properties, 140
- timing of notification, 66–7
- token epiphenomenalism, 66
- transference theory of causation, 90
- transparency of experience, 209
- contemporary views, 209–12
  - motives, 211
  - strong transparency, 211–12, 214
  - weak transparency, 211–12, 214
- Tye, Michael, 187
- type epiphenomenalism, 66
- type role-functionalism, 79
- type-physicalism, 72–3
- type-type theory, 27
- unchanges, 67
- undercutting, 95–6
- universals, disjunctions of, 21–2
- van der Waals force, 247
- vending machines, 156–7
- behavior of, 157
  - monetary-machine interactions, 159, 164–5
- V-generalizations, 159
- visual awareness, 167–89. *See also* experiential awareness
- appearance properties, 184
  - representationalism and, 187–9
- visual qualia, 167–89
- appearance properties, 183–6
  - appearance/reality distinction, 171
  - definition of, 169
  - representationalism and, 171–8
- water, 13–14, 30–1
- causal efficacy of, 8–9
  - grounding hypothesis, 125–6

Cambridge University Press  
978-1-107-07783-6 - Qualia and Mental Causation in a Physical World:  
Themes from the Philosophy of Jaegwon Kim  
Edited by Terence Horgan, Marcelo Sabatés, and David Sosa  
Index  
[More information](#)

*Index* 271

- lattice formation, 122–3
- one-belief position, 31–2
- same-belief position, 30–1
- wave optics, 238
- weak supervenience, 155
- weak transparency, 211–12, 214
- wffness in logic, 34
- Xanthippe, 103
- Xenon, 192–4, 196, 198–9
- XP1, 193, 194–8, 199
- Yablo, Stephen, 152
- yellow, 175–7
- zodiac sign, 218–22