



Universiteit
Leiden
The Netherlands

A Priori truth in the natural world : a non-referentialist response to Benacerraf's dilemma

Novák, Z.

Citation

Novák, Z. (2010, June 23). *A Priori truth in the natural world : a non-referentialist response to Benacerraf's dilemma*. Retrieved from <https://hdl.handle.net/1887/15729>

Version: Corrected Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/15729>

Note: To cite this publication please use the final published version (if applicable).

BIBLIOGRAPHY

- Armstrong, D. (1989), *A Combinatorial Theory of Possibility*, Cambridge: Cambridge University Press.
- Ayer, A. J. (1935), 'The Criterion of Truth', *Analysis*, 3 (1-2): 28-32.
- Ayer, A. J. (1946), *Language, Thought and Logic*, 2nd rev. and reset ed., London: Gollancz.
- Balaguer, M. (1998), *Platonism and Anti-Platonism in Mathematics*, Oxford: Oxford University Press.
- Bealer, G. (1999), 'The A Priori', in Greco, J. and Sosa, E. (1999): 243-270.
- Benacerraf, P. (1965), 'What Numbers Could not Be', *Philosophical Review*, 74 (1): 47-73.
- Benacerraf, P. (1973), 'Mathematical Truth', *Journal of Philosophy*, 70 (19): 661-679.
- Benacerraf, P. and Putnam, H. (1983), *Philosophy of Mathematics*, 2nd ed., Cambridge: Cambridge University Press.
- Blackburn, S. ed. (1975), *Meaning, Reference and Necessity*, Cambridge: Cambridge University Press.
- Blackburn, S. (1993), *Essays in Quasi-Realism*, New York: Oxford University Press.
- Block, N. (1986), 'Advertisement for a Semantics for Psychology', in French, P. A., Uehling T. E., Wettstein, H. K. (1986): 615-678.
- Boghossian, P. and Peacocke, C. eds. (2000), *New Essays on the A Priori*, Oxford: Clarendon Press.
- BonJour, L. (1985), *The Structure of Empirical Knowledge*, Cambridge, MA: Harvard University Press.
- BonJour, L. (1998), *In Defence of Pure Reason*, Cambridge: Cambridge University Press.
- Brandom, R. B. (1988), 'Pragmatism, Phenomenalism and Truth Talk', in French, P. A., Uehling, T. E. and Wettstein, H. K. (1988): 75-93.

- Brandom, R. B. (1994), *Making it Explicit: Reasoning, Representing, and Discursive Commitment*, Cambridge, MA: Harvard University Press.
- Brouwer, L. E. J. (1949), 'Consciousness, Philosophy, and Mathematics', *Proceedings of the Tenth International Congress of Philosophy*, 3: 1235-1249.
- Brown, J. R. (1991), *The Laboratory of the Mind: Thought Experiments in the Natural Sciences*, London: Routledge.
- Burgess, J. P. and Rosen, G. (2005), 'Nominalism Reconsidered', in Shapiro, S. (2005): 515-536.
- Carnap, R. (1934), *Logische Syntax der Sprache*, Wien: Springer.
- Casullo, A. (2003), *A Priori Justification*, Oxford: Oxford University Press.
- Chihara, C. (1990), *Constructibility and Mathematical Existence*, Oxford: Oxford University Press.
- Chisholm, R. M. (1989), *Theory of Knowledge*, 3rd ed., Englewood Cliffs, NJ: Prentice Hall.
- Church, A. (1943), 'Review of Carnap's *Introduction to Semantics*', *Philosophical Review*, 52 (3): 298-304.
- Church, A. (1956), *Introduction to Mathematical Logic*, Princeton, NJ: Princeton University Press.
- Churchland, P. M. (1981), 'Eliminative Materialism and the Propositional Attitudes', *Journal of Philosophy*, 78 (2): 67-90.
- Churchland, P. M. (1988/1992), *Matter and Consciousness*, rev. ed., Cambridge, Mass.: MIT Press.
- Colyvan, M. (2001), *The Indispensability of Mathematics*, New York: Oxford University Press.
- Colyvan, M. (2007), 'Mathematical Recreation Versus Mathematical Knowledge', in Leng, M., Paseau, A. and Potter, M. (2007): 109-122.
- Colyvan, M. and Zalta, E. N. (1999), 'Mathematics: Truth and Fiction? Review of Mark Balaguer's *Platonism and Anti-Platonism in Mathematics*', *Philosophia Mathematica*, 7 (3): 336-349.
- Craig, E. J. (1975), 'The Problem of Necessary Truth', in Blackburn, S. (1975): 1-31.
- Davidson, D. (1969), 'True to the Facts', *Journal of Philosophy*, 66 (21): 748-764.
- Davidson, D. (1970), 'Mental Events', in Foster, L. and Swanson, J. (1970): 79-101.
- Davidson, D. (1984), *Inquiries into Truth and Interpretation*, Oxford: Oxford University Press.
- Devitt, M. (1981), *Designation*, New York: Columbia University Press.
- Devitt, M. (1984), *Realism and Truth*, Oxford: Blackwell.
- Devitt, M. (1991), 'Aberrations of the Realism Debate', *Philosophical Studies*, 61: 43-63.
- Dewey, J. (1925), *Experience and Nature*, Chicago: Open Court.
- Duhem, P. (1906), *La théorie physique: son objet et sa structure*, Paris: Chevalier & Rivière.
- Dummett, M. (1963), 'Realism', in Dummett, M. (1978): 145-165.
- Dummett, M. (1973), 'The Philosophical Basis of Intuitionistic Logic', in Dummett, M. (1978): 215-247.
- Dummett, M. (1978), *Truth and Other Enigmas*, London: Duckworth.
- Dummett, M. (1991), *The Logical Basis of Metaphysics*, Cambridge, MA: Harvard University Press.
- Dummett, M. (1993), *The Seas of Language*, Oxford: Clarendon Press.
- Dworkin, R. (1996), 'Objectivity and Truth: You'd Better Believe it', *Philosophy and Public Affairs*, 25 (2): 87-139.
- Einstein, A. (1905), 'Zur Elektrodynamik bewegter Körper', *Annalen der Physik*, 17: 891-921.
- Einstein, A., Podolski, B. and Rosen, N. (1935), 'Can Quantum Mechanical Description of Reality Be Considered Complete?' *Physical Review*, 47 (10): 777-780.
- Evans, G. (1973), 'The Causal Theory of Names', *Proceedings of the Aristotelian Society*, suppl. vol. 47: 187-225.
- Field, H. (1972), 'Tarski's Theory of Truth', *Journal of Philosophy*, 69 (13): 347-375.
- Field, H. (1980), *Science without Numbers: A Defence of Nominalism*, Princeton, NJ: Princeton University Press.
- Field, H. (1984), 'Platonism for Cheap? Crispin Wright on Frege's Context Principle', *Canadian Journal of Philosophy*, 14: 637-662.

- Field, H. (1986), 'The Deflationary Conception of Truth', in MacDonald, G. and Wright, C. (1986): 55-117.
- Field, H. (1989), *Realism, Mathematics and Modality*, Oxford: Blackwell.
- Field, H. (1994), 'Deflationist Views of Meaning and Content', *Mind*, 103 (411): 294-285.
- Field, H. (2001), *Truth and the Absence of Fact*, Oxford: Clarendon Press.
- Fine, A. (1984), 'The Natural Ontological Attitude', in Leplin, J. (1984): 83-107.
- Fine, K. (2001), 'The Question of Realism', *Philosophers' Imprint*, 1 (1): 1-30.
- Fine, K. (2002), *The Limits of Abstraction*, Oxford: Clarendon Press.
- Fitch, F. B. (1963), 'A Logical Analysis of Some Value Concepts', *Journal of Symbolic Logic*, 28 (2): 135-142.
- Fodor, J. A. (1975), *The Language of Thought*, Cambridge, MA: MIT Press.
- Fodor, J. A. (1981), *Representations*, Cambridge, MA: MIT Press.
- Fodor, J. A. (1987), *Psychosemantics*, Cambridge, MA: MIT Press.
- Fodor, J. A. (1994), *The Elm and the Expert*, Cambridge, MA: MIT Press.
- Forrai, G. (2001), *Reference, Truth and Conceptual Schemes*, Dordrecht: Kluwer.
- Foster, L. and Swanson, J. eds. (1970), *Experience and Theory*, London: Duckworth.
- Frege, G. (1879), *Begriffsschrift: eine der arithmetischen nachgebildete Formelsprache des reinen Denkens*, Halle a. S.: Louis Nebert; transl. by Bauer Mengelbert, S. as *Concept Notation: A Formula Language of Pure Thought, Modelled upon that of Arithmetic*, in van Heijenoort, J. (1967)
- Frege, G. (1884), *Die Grundlagen der Arithmetik: eine logisch-mathematische Untersuchung über den Begriff der Zahl*, Breslau: Wilhelm Koebner; transl. by Austin, J. L. as *The Foundations of Arithmetic*, Oxford: Basil Blackwell, 1950.
- Frege, G. (1892), 'Über Sinn und Bedeutung', *Zeitschrift für Philosophie und philosophische Kritik*, 100: 25-50.
- Frege, G. (1893), *Grundgesetze der Arithmetik*, Vol. 1, Hildesheim: Georg Olms.
- French, P. A., Uehling, T. E. and Wettstein, H. K. eds. (1986), *Midwest Studies in Philosophy*, Vol. X, Minneapolis, MN: University of Minnesota Press.
- French, P. A., Uehling, T. E. and Wettstein, H. K. eds. (1988), *Midwest Studies in Philosophy*, Vol. XII, Minneapolis, MN: University of Minnesota Press.
- Galilei, G. (1632), *Dialogo sopra I due massimi sistemi del mondo Tolemaico e Copernicano*, Firenze: Battista Landini.
- Galilei, G. (1638), *Discorsi, e dimostrazioni matematiche, intorno à due nuove scienze attenenti alla meccanica, e i movimenti locali*, Leiden: Elsevier.
- Gendler, T. S. (2000), *Thought Experiment. On the Powers and Limits of Imaginary Cases*, New York: Garland.
- George, A. ed. (1989), *Reflections on Chomsky*, Oxford: Basil Blackwell.
- George, A. ed. (1994), *Mathematics and Mind*, Oxford: Oxford University Press.
- Gettier, E. L. (1963), 'Is Justified True Belief Knowledge?' *Analysis*, 23 (6): 121-123.
- Gibbard, A. (1990), *Wise Choices, Apt Feelings: A Theory of Normative Judgement*, Cambridge, MA: Harvard University Press.
- Gibbard, A. (1994), 'Meaning and Normativity', in Villanueva, E. (1994): 95-115.
- Gödel, K. (1944), 'Russell's Mathematical Logic', in Schilpp, P. A. (1944): 125-153.
- Gödel, K. (1951), 'Some Basic Theorems on the Foundations of Mathematics and Their Implications', in Gödel, K. (1995): 304-323.
- Gödel, K. (1964), 'What Is Cantor's Continuum Problem?', in Benacerraf, P. and Putnam, H. (1983): 470-485.
- Gödel, K. (1995), *Collected Works*, Vol. III, Oxford: Oxford University Press.
- Goldman, A. I. (1967), 'A Causal Theory of Knowing', *Journal of Philosophy*, 64 (12): 357-372.

- Goodman, N. (1954), *Fact, Fiction, and Forecast*, London: Athlone Press.
- Goodman, N. (1978), *Ways of Worldmaking*, Indianapolis: Hackett.
- Greco, J. and Sosa, E. eds. (1999), *The Blackwell Guide to Epistemology*, Malden, MA: Blackwell.
- Grover, D. L., Camp, J. L. and Belnap, N. D. (1975), 'A Prosentential Theory of Truth', *Philosophical Studies*, 27 (2): 73-125.
- Gunderson, K. ed. (1975), *Minnesota Studies in the Philosophy of Science*, Vol. VII, Minneapolis, MN: University of Minnesota Press.
- Haggqvist, S. (1996), *Thought Experiments in Philosophy*, Stockholm: Almqvist & Wiksell International.
- Hahn, L. and Schilpp, P. A. eds. (1986), *The Philosophy of W. V. Quine*, La Salle, IL: Open Court.
- Hale, R. (1987), *Abstract Objects*, Oxford: Basil Blackwell.
- Hale, R. (1994), 'Dummett's Critique of Wright's Attempt to Resuscitate Frege', *Philosophia Mathematica*, 2 (2): 122-147.
- Hale, R. (1997), 'Realism and Its Oppositions', in Hale, R. and Wright, C. (1997a): 271-308.
- Hale, R. (2001), 'A Response to Potter and Smiley: Abstraction by Recarving', *Proceedings of the Aristotelian Society*, 101: 339-358.
- Hale, R. and Wright, C. eds. (1997a), *A Companion to the Philosophy of Language*, Oxford: Basil Blackwell.
- Hale, R. and Wright, C. (1997b), 'Putnam's Model-Theoretic Argument Against Metaphysical Realism', in Hale, R. and Wright, C. (1997a): 427-457.
- Hale, R. and Wright, C. (2001a), *The Reason's Proper Study: Essays toward a Neo-Fregean Philosophy of Mathematics*, Oxford: Clarendon Press.
- Hale, R. and Wright, C. (2001b), 'To Bury Caesar...' in Hale, R. and Wright, C. (2001a): 335-396.
- Hale, R. and Wright, C. (2002), 'Benacerraf's Dilemma Revisited', *European Journal of Philosophy*, 10 (1): 101-129.
- Hanson, P. P. and Hunter, B. A. eds. (1992), *The Return of the A Priori*, Calgary: The University of Calgary Press.
- Hare, R. M. (1952), *The Language of Morals*, Oxford: Clarendon Press.
- Harman, G. (1973), *Thought*, Princeton, NJ: Princeton University Press.
- Hatfield, G. (1990), *The Natural and the Normative: Theories of Spatial Perception from Kant to Helmholtz*, Cambridge, MA: MIT Press.
- Hellman, G. (1989), *Mathematics without Numbers*, Oxford: Clarendon Press.
- Hilbert, D. (1925), 'On the Infinite', in Benacerraf, P. and Putnam, H. (1983): 183-201.
- Hitchcock, C. ed. (2004), *Contemporary Debates in the Philosophy of Science*, Malden, MA: Basil Blackwell.
- Horowitz, T. (2006), *The Epistemology of A Priori Knowledge*, Oxford: Oxford University Press.
- Horowitz, T. and Massey, G. eds. (1991), *Thought Experiments in Science and Philosophy*, Savage, MD: Rowman and Littlefield.
- Horwich, P. (1998a), *Meaning*, Oxford: Clarendon Press.
- Horwich, P. (1998b), *Truth*, 2nd ed., Oxford: Clarendon Press.
- Horwich, P. (2005), *Reflections on Meaning*, Oxford: Clarendon Press.
- Hull, D. M., Forbes, M. and Okruhlik, K. eds. (1992), *PSA 1992, Proceedings of the 1992 Biennial Meeting of the Philosophy of Science Association*, Vol. 2, East Lansing, MI: Philosophy of Science Association.
- Isaacson, D. (forthcoming), 'The Reality of Mathematics and the Case of Set Theory', in Novák, Zs. and Simonyi, A. (forthcoming-b)
- Jackson, F. and Smith, M. eds. (2005), *The Oxford Handbook of Contemporary Philosophy*, Oxford: Oxford University Press.
- Kant, I. (1781/1787), *Kritik der reinen Vernunft*, transl. by Guyer, P. as *The Critique of Pure Reason*, Cambridge: Cambridge University Press, 1998.
- Katz, J. (1981), *Language and Other Abstract Objects*, Totowa, NJ: Rowman and Littlefield.
- Katz, J. (1995), 'What Mathematical Knowledge Could Be', *Mind*, 104 (415): 491-520.

- Kitcher, P. (1980), 'Apriority and Necessity', *Australasian Journal of Philosophy*, 58: 89-101.
- Kitcher, P. (1984), *The Nature of Mathematical Knowledge*, New York: Oxford University Press.
- Knowles, J. (2003), *Norms, Naturalism and Epistemology*, Houndmills: Palgrave Macmillan.
- Koyré, A. (1939), *Études galiléennes*, Paris: Hermann.
- Kripke, S. (1972/1980), *Naming and Necessity*, rev. and enl. ed., Oxford: Basil Blackwell.
- Kuhn, T. S. (1977a), *The Essential Tension: Selected Studies in Scientific Tradition and Change*, Chicago: The University of Chicago Press.
- Kuhn, T. S. (1977b), 'A Function for Thought Experiments', in Kuhn, T. S. (1977a): 240-265.
- Lance, M. and Hawthorne, J. (1997), *The Grammar of Meaning: Normativity and Semantic Discourse*, Cambridge: Cambridge University Press.
- Leeds, S. (1978), 'Theories of Reference and Truth', *Erkenntnis*, 13 (1): 111-129.
- Leng, M., Paseau, A. and Potter, M. eds. (2007), *Mathematical Knowledge*, Oxford: Oxford University Press.
- Leplin, J. ed. (1984), *Scientific Realism*, Berkeley: University of California Press.
- Lewis, D. (1984), 'Putnam's Paradox', *Australasian Journal of Philosophy*, 62 (3): 221-236.
- Lewis, D. (1986), *On the Plurality of Worlds*, Oxford: Basil Blackwell.
- Liggins, D. (2006), 'Is There a Good Epistemological Argument against Platonism?' *Analysis*, 66 (2): 135-141.
- Loar, B. (1987), 'Truth Beyond All Verification', in Taylor, B. (1987): 81-116.
- MacDonald, C. and MacDonald, G. eds. (1995), *Connectionism: Debates on Psychological Explanation*, Oxford: Blackwell.
- MacDonald, G. and Wright, C. eds. (1986), *Fact, Science and Morality. Essays on A. J. Ayer's Language, Truth and Logic*, Oxford: Basil Blackwell.

- Mach, E. (1897), 'Über Gedankenexperimente', *Poskes Zeitschrift für den physikalischen und chemischen Unterricht*, January: 1-5.
- Mackie, J. L. (1977), *Ethics: Inventing Right and Wrong*, Harmondsworth: Penguin Books.
- Maddy, P. (1980), 'Perception and Mathematical Intuition', *Philosophical Review*, 89: 163-196.
- Maddy, P. (1990), *Realism in Mathematics*, Oxford: Oxford University Press.
- Maddy, P. (1997), *Naturalism in Mathematics*, Oxford: Oxford University Press.
- Marr, D. (1982), *Vision*, New York: W. H. Freeman and Company.
- Maxwell, J. C. (1871), *Theory of Heat*, London: Longman.
- McAllister, J. W. (1996), 'The Evidential Significance of Thought Experiment in Science', *Studies in History and Philosophy of Science*, 27 (2): 233-250.
- McCulloch, W. S. and Pitts, W. (1943), 'A Logical Calculus of the Ideas Immanent in Nervous Activity', *Bulletin of Mathematical Biophysics*, 5: 115-133.
- McDowell, J. (1981), 'Anti-Realism and the Epistemology of Understanding', in McDowell, J. (1998): 314-343.
- McDowell, J. (1998), *Meaning, Knowledge and Reality*, Cambridge, MA: Harvard University Press.
- Mill, J. S. (1843), *A System of Logic*, London: Longmans, Green and Company.
- Miller, A. (2002), 'What Is the Manifestation Argument?' *Pacific Philosophical Quarterly*, 83 (4): 352-383.
- Millican, P. and Clark, A. eds. (1996), *Machines and Thought: The Legacy of Alan Turing*, Vol. 1, Oxford: Clarendon Press.
- Miščević, N. (1992), 'Mental Models and Thought Experiments', *International Studies in the Philosophy of Science*, 6 (3): 215-226.
- Morton, A. and Stich, S. P. eds. (1996), *Benacerraf and His Critics*, Oxford: Basil Blackwell.
- Nadel, L., Cooper, L. A., et al. eds. (1989), *Neural Connections, Mental Computation*, Cambridge, MA: MIT Press.

- Neale, S. (1995), 'The Philosophical Significance of Gödel's Slingshot', *Mind*, 104 (416): 761-825.
- Neale, S. (2001), *Facing Facts*, Oxford: Clarendon.
- Newell, A. and Simon, H. A. (1976), 'Computer Science as Empirical Inquiry: Symbols and Search', *Communications of the Association for Computing Machinery*, 19: 113-126.
- Newton, I. (1687), *Philosophiæ naturalis principia mathematica*, London: Joseph Streater.
- Norton, J. (1996), 'Are Thought Experiments Just What You Thought?' *Canadian Journal of Philosophy*, 26 (3): 333-366.
- Novák, Zs. (2006), 'Review of Jonathan Knowles' Norms, Naturalism and Epistemology', *International Studies in the Philosophy of Science*, 20 (1): 113-124.
- Novák, Zs. and Simonyi, A. eds. (2010a), *Truth, Reference and Realism*, Budapest: Central European University Press.
- Novák, Zs. and Simonyi, A. (2010b), 'Introduction', in Novák, Zs. and Simonyi, A. (2010a)
- Parsons, C. (1980), 'Mathematical Intuition', *Proceedings of the Aristotelian Society*, 80: 145-168.
- Parsons, C. (1994), 'Intuition and Number', in George, A. (1994): 141-157.
- Peacocke, C. (2005), 'The A Priori', in Jackson, F. and Smith, M. (2005): 739-763.
- Plantinga, A. (1993), *Warrant and Proper Function*, New York: Oxford University Press.
- Popper, K. R. (1959), *The Logic of Scientific Discovery*, London: Hutchinson.
- Posner, M. I. (1989), *Foundations of Cognitive Science*, Cambridge, MA: MIT Press.
- Potter, M. and Smiley, T. (2001), 'Abstraction by Recarving', *Proceedings of the Aristotelian Society*, 101: 327-338.
- Putnam, H. (1967), 'Mathematics without Foundations', *Journal of Philosophy*, 64 (1): 5-22.
- Putnam, H. (1971), *Philosophy of Logic*, New York: Harper and Row.
- Putnam, H. (1975a), *Mathematics, Matter and Method. Philosophical Papers*, Vol. 1, Cambridge: Cambridge University Press.
- Putnam, H. (1975b), 'The Meaning of "Meaning"', in Gunderson, K. (1975): 131-193.
- Putnam, H. (1975c), *Mind, Language and Reality. Philosophical Papers*, Vol. 2, Cambridge: Cambridge University Press.
- Putnam, H. (1975d), 'What Is Mathematical Truth?' in Putnam, H. (1975a): 60-78.
- Putnam, H. (1977), 'Models and Reality', in Putnam, H. (1983): 1-25.
- Putnam, H. (1981), *Reason, Truth and History*, Cambridge: Cambridge University Press.
- Putnam, H. (1983), *Realism and Reason. Philosophical Papers*, Vol. 3, Cambridge: Cambridge University Press.
- Putnam, H. (1987), *The Many Faces of Realism*, La Salle, IL: Open Court.
- Putnam, H. (1988), *Representation and Reality*, Cambridge, MA: MIT Press.
- Putnam, H. (1989), 'Model Theory and the 'Factuality' of Semantics', in George, A. (1989): 213-232.
- Putnam, H. (1992), *Renewing Philosophy*, Cambridge, MA: Harvard University Press.
- Putnam, H. (1999), *The Threefold Cord: Mind, Body, and World*, New York: Columbia University Press.
- Quine, W. V. (1948), 'On What There Is', *Review of Metaphysics*, 2 (5): 21-38.
- Quine, W. V. (1951), 'Two Dogmas of Empiricism', *Philosophical Review*, 60 (1): 20-43.
- Quine, W. V. (1953a), *From a Logical Point of View*, Cambridge, MA: Harvard University Press.
- Quine, W. V. (1953b), 'Reference and Modality', in Quine, W. V. (1953a): 139-159.
- Quine, W. V. (1960a), 'Carnap and Logical Truth', *Synthese*, 12 (4): 350-374.
- Quine, W. V. (1960b), *Word and Object*, Cambridge, MA: MIT Press.
- Quine, W. V. (1970), *Philosophy of Logic*, Englewood Cliffs, NJ: Prentice-Hall.

- Quine, W. V. (1975), 'On Empirically Equivalent Systems of the World', *Erkenntnis*, 9: 313-328.
- Quine, W. V. (1986), 'Reply to Charles Parsons', in Hahn, L. and Schilpp, P. A. (1986): 396-403.
- Quine, W. V. (1995), *From Stimulus to Science*, Cambridge, MA: Harvard University Press.
- Quinton, A. (1972), 'The *A Priori* and the Analytic', *Proceedings of the Aristotelian Society*, 64: 31-54.
- Ramsey, F. (1927), 'Facts and Propositions', *Proceedings of the Aristotelian Society*, suppl. vol. 7: 153-170.
- Resnik, M. (1982), 'Mathematics as a Science of Patterns: Epistemology', *Nous*, 16 (1): 95-105.
- Resnik, M. (1992), 'A Structuralist's Involvement with Modality (review of Hellman 1989)', *Mind*, 101 (401): 107-122.
- Resnik, M. (1997), *Mathematics as a Science of Patterns*, Oxford: Oxford University Press.
- Rosen, G. (1998), 'Blackburn's *Essays in Quasi-Realism*', *Notus*, 32 (3): 386-405.
- Rumelhart, D. E. (1989), 'The Architecture of the Mind: A Connectionist Approach', in Posner, M. I. (1989): 133-159.
- Rumelhart, D. E. and McClelland, J. L. (1986), *Parallel Distributed Processing*, Vol. 1, Cambridge, MA: MIT Press.
- Russell, B. (1905), 'On Denoting', *Mind*, 14 (56): 479-493.
- Russell, B. (1912), *The Problems of Philosophy*, London: Williams and Norgate.
- Schilpp, P. A. (1944), *The Philosophy of Bertrand Russell*, Evanston, IL: Northwestern University Press.
- Schirn, M. ed. (1998), *Philosophy of Mathematics Today*, Oxford: Clarendon Press.
- Schrödinger, E. (1935), 'Die gegenwärtige Situation in der Quantenmechanik', *Naturwissenschaften*, 23: 807-812, 823-828, 844-849.
- Shapiro, S. (1989), 'Structure and Ontology in Philosophy of Mathematics', *Philosophical Topics*, 17 (2): 145-171.
- Shapiro, S. (1997), *Philosophy of Mathematics: Structure and Ontology*, New York: Oxford University Press.
- Shapiro, S. (2000), *Thinking about Mathematics*, Oxford: Oxford University Press.
- Shapiro, S. (2005), *The Oxford Handbook of Philosophy of Mathematics and Logic*, Oxford: Oxford University Press.
- Smolensky, P. (1988), 'On the Proper Treatment of Connectionism', *Behavioral and Brain Sciences*, 11: 1-74.
- Smolensky, P. (1989), 'Connectionist Modeling: Neural Computation / Mental Connections', in Nadel, L., Cooper, L. A., et al. (1989): 49-67.
- Soames, S. (1984), 'What Is a Theory of Truth?' *Journal of Philosophy*, 81 (8): 411-429.
- Soames, S. (1997), 'The Truth about Deflationism', *Philosophical Issues*, 8, Truth: 1-44.
- Sorensen, R. A. (1992), *Thought Experiments*, Oxford: Oxford University Press.
- Steiner, M. (1975), *Mathematical Knowledge*, Ithaca, NY: Cornell University Press.
- Steiner, M. (1998), *The Applicability of Mathematics as a Philosophical Problem*, Cambridge, MA: Harvard University Press.
- Stevenson, C. L. (1944), *Ethics and Language*, New Haven: Yale University Press.
- Stevin, S. (1605), *Wisconstige gedachtenissen*, Leiden: Ian Bouvvensz.
- Stich, S. P. (1983), *From Folk Psychology to Cognitive Science*, Cambridge, MA: MIT Press.
- Strawson, P. (1950), 'Truth', *Proceedings of the Aristotelian Society*, suppl. vol. 24: 129-156.
- Tarski, A. (1944), 'The Semantic Conception of Truth', *Philosophy and Phenomenological Research*, 4: 341-75.
- Taylor, B. ed. (1987), *Michael Dummett: Contributions to Philosophy*, Dordrecht: Martinus Nijhoff.
- Tennant, N. (1997), *Taming of the True*, Oxford: Clarendon Press.
- Turing, A. (1950), 'Computing Machinery and Intelligence', *Mind*, 59: 433-460.
- Van Heijenoort, J. ed. (1967), *From Frege to Gödel: A Sourcebook in Mathematical Logic, 1879-1931*, Cambridge, MA: Harvard University Press.

Bibliography

- Villanueva, E. ed. (1994), *Philosophical Issues 5: Truth and Rationality*, Atascadero, CA: Ridgeview Publishing Co.
- Williams, M. J. (1986), 'Do We (Epistemologists) Need a Theory of Truth?' *Philosophical Topics*, 14 (11): 223-242.
- Williamson, T. (2000), *Knowledge and Its Limits*, Oxford: Oxford University Press.
- Wittgenstein, L. (1953), *Philosophische Untersuchungen*, transl. by Anscombe, G. E. M. as *Philosophical Investigations*, Oxford: Basil Blackwell, 1953.
- Wright, C. (1983), *Frege's Conception of Numbers as Objects*, Aberdeen: Aberdeen University Press.
- Wright, C. (1992), *Truth and Objectivity*, Cambridge, MA: Harvard University Press.
- Wright, C. (1993), *Realism, Meaning and Truth*, 2nd ed., Oxford: Basil Blackwell.
- Wright, C. (1998), 'On the Harmless Impredicativity of N= (Hume's Principle)', in Schirn, M. (1998): 339-368.

INDEX

- abstract/natural (spatiotemporal)
passim, 50-54, 86-87, 289-294, 332-334
- analytic/synthetic
passim, 5-6, 20-21, 28, 62-63, 280-305, 318-320, 327-332, 336, 343-345, 349-353
- anti-naturalism *see naturalism*
- anti-realism *see realism*
- anti-scepticism *see scepticism*
- acquisition argument
10, 146, 147-174, 225-226
- applicability
85-86, 87, 232-233, 243, 327-332
- a priori/a posteriori (empirical)
passim, 19-28, 334-339
- a posteriori *see a priori*
- Balaguer, M.
98, 99, 113, 234-235, 238-239, 256, 260-265
- Benacerraf, P.
chapter 1 *passim*, 77, 80, chapter 3 *passim*, 121-122, 142-143, 145, 146, 155, 173, 177, 181, 184-185, 223, 225-227, 229, 230, 233-235, 237-239, 244, 247, 249, 250, 255-257, 260-262, 264-267, 270, 306, 310, 340-342, 344
- Blackburn, S.
36-37, 39-41, 106, 108-110, 160, 344
- BonJour, L.
21, 22, 25, 98, 113, 234
- causally inert/effective
3, 8, 10, 14, 42, 45, 50, 52-53, 93-94, 98, 101-119, 122, 133, 145-146, 155, 170-171, 173, 184, 223, 225-227, 229, 233, 237, 266-267, 287-289, 294, 297, 306, 310, 336-337, 345-346
- causally effective *see causally inert*
- causal theory of knowledge/reference
10, 48, 92-93, 95, 98-99, 105, 111-112, 208, 215, 219, 221-222, 225-226, 229, 231, 345, 353
- cognitivism/non-cognitivism
82, 103, 106-108, 114, 119
- contact/no-contact epistemology
2, 4-5, 6, 8, 11, 79, 92, 97, 105-106, 111-113, 114, 116, 234-267, 288, 297, 300, 303, 323, 350, 353
- contingent *see necessary*
- (correct) declarative use conditions
19, 31, 35, 43, 59, 61-62, 67, 81, 97, 118, 129-130, 134, 148, 165-170, 173, 217-218, 221-222, 225, 275-304, 308, 312, 317, 326, 330-331

- correspondence theory of truth
9-10, 30, 33, 36, 38, 40, 64, 99, 123-124, 130, 142-143, 146, 174-175, 177-178, 180-181, 184-185, 195, 206-207, 209, 211-214, 217-218, 222-227, 347
- Davidson, D.
58, 136, 220-221
- deflationism/substantivism
3, 5, 8-9, 13, 15, 25, 29-31, 35, 44-45, 48, 55, 78, 97, 103-105, 107-108, 111, 115-118, chapter 4 *passim*, 145, 149, 178, 200-201, 223, 226-227, 229, 240, 253, 264, 267, 269, 277, 299, 304, 308-309, 317, 341, 347
- Dummett, M.
10, 33, 77, 109-110, chapter 5 *passim*, 177, 179, 225-226, 245, 254
- empirical *see a priori*
- epistemological challenge
93-94, 99, 100-101, 113, 115-116, 118, 121, 145, 177, 181, 184-185, 230, 234, 238-239, 247, 249-250, 260, 264-265, 310
- equivalence/disquotatation schema
9, 107, 126-127, 129-130, 132-134, 159
- explanandum/explanans
8, 12, 16, 35-36, 63, chapter 2 *passim*, 95, 114, 116, 119, 126, 132, 134, 143, 184, 205, 231-235, 243, 267, 274, 300, 305-333
- explanans *see explanandum*
- explanation
passim, 71-76
- fictive entities
33, 43-46, 51, 53, 62, 110, 222, 247, 251-252, 263, 272-273, 296-297, 311-312, 314, 346
- Field, H.
36, 38, 44, 98-100, 112, 121, 203, 206, 233, 238-239, 241, 254, 256, 327
- Frege, G.
44, 49, 81, 136, 140, 244-245, 247-251, 254-255, 291, 294, 345
- Frege's Abstraction Principle
245, 247, 249-250, 254-255, 291, 294
- full-blooded platonism
113, 206
- Gibbard, A.
36, 106, 109-110, 147, 344
- Gödel, K.
98, 113, 136-137, 234
- Hale, R.
98, 113, 147, 151, 158, 165, 174, 176, 183, 189-190, 204-205, 235, 244-255, 257, 291
- Hellman, G.
110, 239, 257-258
- Horwich, P.
9, 29, 31, 37, 44, 108, 121, 123, 124-135, 143, 147, 308
- Hume, D.
214, 345, 350
- Hume's principle
244-245, 248,
- indispensability
16, 36, 99, 239-241, 297

- internal realism *see metaphysical realism*
- Kant, I.
20-24, 51, 54, 109, 179
- Katz, J.
113, 235, 244, 255-256, 260
- Kitcher, P.
22, 47, 111
- Kripke, S.
22, 148, 282
- Lewis, D.
102, 113, 174, 176, 204, 235, 255-256, 260, 325-326
- manifestation argument
10, 146, 147-174, 225
- mental/physical symbols
9, 17-19, 29, 34-35, 37, 42-50, 55, 60-67, 81, 97, 114, 167, 176, 178, 195, 203, 210-211, 215-216, 220-224, 226, 274-280, 282-288, 290, 297-299, 311, 317, 319-321, 326-327, 329-331, 345-346, 354
- metaphysical/internal realism
10, 33, 109, 146, 174-227, 333, 350
- minimal adequacy
7, 12, 71, 74-76, 88-89, 270, 305-306, 322, 334-335, 339-340, 342, 354
- minimalism
9, 29, 108, 121, 123, 124-135, 143, 308
- natural *see abstract*
- naturalism/anti-naturalism
30-31, 50, 111, 256, 323, 346
- necessary/contingent
passim, 20-22, 84-85, 113, 255-256, 325-327, 350-351
- neo-Fregean abstractionism
113, 244-255, 257, 291
- non-causal contact epistemology
11, 80, 112, 114, 116, 235, 267, 288
- non-cognitivism *see cognitivism*
- non-referentialism *see referentialism*
- non-revisionism *see revisionism*
- objectivity
8-9, 16, 34-36, 61, 77-78, 95, 115, 117, 122, 124, 128, 131-133, 142, 146-148, 154, 172, 227, 229, 231, 267, 299, 308-309, 332, 341-342, 347
- paradigms of a priori
passim, 1, 71, 75-76
- physical symbols *see mental symbols*
- platonism
passim, 11, 34, 80-81, 254
- Putnam, H.
10, 22, 33, 39, 63, 99, 109-110, 146, 174-225, 226-227, 235, 241, 257, 259, 345, 350
- quasi-realism *see realism*
- quietism
39, 110
- Quine, W. V.
99, 107-108, 113, 121, 136, 176, 191-193, 216, 235, 239-244
- realism/anti-realism/quasi-realism
passim, 32-42, 104, 108-109

Index

- referent (subject matter)
passim, 5-6, 9, 17-18, 42-50, 124,
139-142, 223-225
- referentialism/non-referentialism
passim, 1-12, 45, 104, 109-110, 271-
273, 341-342
- reliable belief formation
8, 11, 105-106, 112-113, 177, 233,
238, 242, 264-265, 278, 310, 323
- representations
passim, 5-6, 54-67
- representationism
5-7, 11-12, 14, 18, 54-55, 59, 82-85,
87, 89, chapter 7 *passim*
- Resnik, M.
111, 113, 235, 239, 256, 258, 260-
261
- revisionism/non-revisionism
17, 47-48, 105, 108-111, 114-115,
117, 119, 131, 158-160, 164, 242,
267, 271, 273, 346
- Russell, B.
43-45, 99, 138, 167-168, 245
- scepticism/anti-scepticism
13, 74, 98, 105, 110, 112, 114, 119,
200, 204, 208, 215, 242, 262-263,
310
- semantic content
passim, 18-19, 29, 59-67, 78-79, 81,
273-305, 310-313
- Shapiro, S.
42, 76-77, 80, 84-86, 110-111, 113,
235, 256-258, 260-261
- slingshot
9, 50, 123, 135-143, 330, 345
- spatiotemporal *see abstract*
- subject matter *see referent*
- substantivism *see deflationism*
- synthetic *see analytic*
- Tarski, A.
4, 32, 76, 94-96, 104, 107, 117, 121,
220-221, 306, 347-349
- truth-aptness
passim, 28-32
- truthbearers
9, 16, 22-23, 28-31, 59, 77, 84, 86,
107, 116, 118, 126, 130, 142, 158,
307-310, 316, 325, 332-333
- truth conditions
passim, 1-12, 28-32, 270-173, 341-
355
- use-regularity conception of meaning
9, 123, 126, 128
- use-theoretic notion of truth/content
9-10, 19, 31, 127, 132, 159-160,
308, 317, 322, 347-349, 353
- verification
10, 77-78, 109-110, 147, 154, 158,
225-226, 231
- Wittgenstein, L.
31, 121, 147-148
- Wright, C.
98, 113, 130, 147-149, 159, 174,
176, 183, 189-190, 204-205, 235,
244-255, 257, 291