

KANT'S *METAPHYSICAL FOUNDATIONS*
OF NATURAL SCIENCE

In his *Metaphysical Foundations of Natural Science* (1786), Kant accounts for the possibility of an acting-at-a-distance gravitational force, demonstrates the infinite divisibility of matter, and derives analogues to Newtonian laws of motion. The work is his major statement in philosophy of science, and was especially influential in German-speaking countries in the nineteenth century. However, this complex text has not received the scholarly attention it deserves. The chapters of this Critical Guide clarify the accounts of matter, motion, the mathematization of nature, space, and natural laws exhibited in the *Metaphysical Foundations*; elucidate the relationship between its metaphysics of nature and Kant's Critical philosophy; and describe the historical context for Kant's account of natural science. The volume will be an invaluable resource for understanding one of Kant's most difficult works, and will set the agenda for future scholarship on Kant's philosophy of science.

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KANT'S *METAPHYSICAL*
FOUNDATIONS OF NATURAL
SCIENCE
A Critical Guide

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Note on Abbreviations and Translations

Citations of Kant's own writings and student notes from his lectures refer to their production in the *Akademie* edition of his *Gesammelte Schriften* (Kant 1900–), using a siglum to denote the work followed by the volume number and the page number. References to *Kritik der reinen Vernunft* utilize the standard, A/B system to refer, respectively, to the page numbers of the first and second editions of the book. Where available, English translations from *The Cambridge Edition of the Works of Immanuel Kant* have been used. The following lists the sigla used to refer to Kant's works, followed by their translations in the Cambridge series.

Anth	<i>Anthropologie in pragmatischer Hinsicht</i> (Kant 2007, 231–429)
BDG	<i>Der einzig mögliche Beweisgrund zu einer Demonstration des Daseins Gottes</i> (Kant 1992b, 107–202)
Br	<i>Briefe</i> (selections in Kant 1999)
DfS	<i>Die falsche Spitzfindigkeit der vier syllogistischen Figuren erwiesen</i> (Kant 1992b, 88–106)
DI	<i>Meditationum quarundam de igne succincta delineatio</i> (Kant 2012, 309–26)
FM	<i>Welches sind die wirklichen Fortschritte, die die Metaphysik seit Leibnizens und Wolf's Zeiten in Deutschland gemacht hat?</i> (Kant 2002, 337–424)
GMS	<i>Grundlegung zur Metaphysik der Sitten</i> (Kant 1996a, 37–108)
GSK	<i>Gedanken von der wahren Schätzung der lebendigen Kräfte</i> (Kant 2012, 1–155)
GUGR	<i>Von dem ersten Grunde des Unterschiedes der Gegenden im Raume</i> (Kant 1992b, 361–72)

x	<i>Note on Abbreviations and Translations</i>
KpV	<i>Kritik der praktischen Vernunft</i> (Kant 1996a, 133–272)
KrV	<i>Kritik der reinen Vernunft</i> (Kant 1998)
KU	<i>Kritik der Urteilskraft</i> (Kant 2000)
Log	<i>Logic</i> (Kant 1992a, 517–640)
MAN	<i>Metaphysische Anfangsgründe der Naturwissenschaft</i> (Kant 2002, 171–270)
MonPh	<i>Metaphysicae cum geometria iunctae usus in philosophia naturali, cuius specimen I. continet monadologiam physicam</i> (Kant 1992b, 47–66)
MS	<i>Die Metaphysik der Sitten</i> (Kant 1996a, 353–604)
MSI	<i>De mundi sensibilis atque intelligibilis forma et principiis</i> (Kant 1992b, 373–416)
NG	<i>Versuch, den Begriff der negativen Größen in die Weltweisheit einzuführen</i> (Kant 1992b, 203–42)
NLBR	<i>Neuer Lehrbegriff der Bewegung und Ruhe und der damit verknüpften Folgerungen in den ersten Gründen der Naturwissenschaft</i> (Kant 2012, 396–408)
NTH	<i>Allgemeine Naturgeschichte und Theorie des Himmels</i> (Kant 2012, 186–308)
OP	<i>Opus postumum</i> (selections in Kant 1993)
PND	<i>Principiorum primorum cognitionis metaphysicae nova dilucidatio</i> (Kant 1992b, 1–46)
Prol	<i>Prolegomena zu einer jeden künftigen Metaphysik</i> (Kant 2002, 29–170)
Refl	<i>Reflexionen</i> (selections in Kant 2005)
SF	<i>Der Streit der Fakultäten</i> (Kant 1996b, 223–327)
UD	<i>Untersuchung über die Deutlichkeit der Grundsätze der natürlichen Theologie und der Moral</i> (Kant 1992b, 243–86)
ÜGTP	<i>Über den Gebrauch teleologischer Principien in der Philosophie</i> (Kant 2007, 192–218)
V-Lo/Blomberg	<i>Logik Blomberg</i> (Kant 1992a, 1–246)
V-Lo/Dohna	<i>Logik Dohna-Wundtlacken</i> (Kant 1992a, 425–516)
V-Lo/Wiener	<i>Wiener Logik</i> (Kant 1992a, 249–378)

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V-Met/Dohna	<i>Metaphysik Dohna-Wundlacken</i> (selections in Kant 1997a, 357–91)
V-Met/Mron	<i>Metaphysik Mrongovius</i> (Kant 1997a, 107–286)
V-Met/Volckmann	<i>Metaphysik Volckmann</i> (selections in Kant 1997a, 289–96)
V-Met-L ₁ /Pölit	<i>Metaphysik L₁</i> (selections in Kant 1997a, 17–106)
V-Met-L ₂ /Pölit	<i>Metaphysik L₂</i> (selections in Kant 1997a, 297–354)
V-Phys/Berliner	<i>Berliner Physik</i>
V-Phys/Mron	<i>Physik Mrongovius (Danziger Physik)</i>
VvRM	<i>Von den verschiedenen Racen der Menschen</i> (Kant 2007, 82–97)

Citations of Descartes' writings use the abbreviation "AT" and refer to their production in *Oeuvres de Descartes* (Descartes 1996), by volume and page number.

Citations of Leibniz's works refer via abbreviations to their production in the following volumes. References to *Die Philosophischen Schriften von Gottfried Wilhelm Leibniz* refer to the volume and page number.

AG	<i>Philosophical Essays</i> (Leibniz 1986a)
G	<i>Die Philosophischen Schriften von Gottfried Wilhelm Leibniz</i> (Leibniz 1875–90)
L	<i>Philosophical Papers and Letters</i> (Leibniz 1989b)