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Autore	Koncsik Imre
Titolo	Unser Gehirn- ein biologischer Quantencomputer? : Die verborgene geistige Ordnung // von Imre Koncsik
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Lingua di pubblicazione	Tedesco
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Livello bibliografico	Monografia
2. Record Nr.	UNINA9910855386703321
Autore	Dorrego Lopez Eduardo
Titolo	Irrationality, Transcendence and the Circle-Squaring Problem : An Annotated Translation of J. H. Lambert's Vorläufige Kenntnisse and Mémoire // by Eduardo Dorrego López, Elías Fuentes Guillén
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Descrizione fisica	1 online resource (176 pages)
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Nota di contenuto

Part I: Antecedents -- Chapter 1. From Geometry to Analysis -- Chapter 2. The situation in the first half of the 18th century. Euler and continued fractions -- Part II: Johann Heinrich Lambert (1728–1777) -- Chapter 3. A biographical approach to Johann Heinrich Lambert -- Chapter 4. Outline of Lambert's Mémoire (1761/1768) -- Chapter 5. An annotated translation of Lambert's Mémoire (1761/1768) -- Chapter 6. Outline of Lambert's Vorläufige Kenntnis (1766/1770) -- Chapter 6. An annotated translation of Lambert's Vorläufige Kenntnis (1766/1770) -- Chapter 7. The influence of Lambert's work and the development of irrational numbers -- Chapter 8. The state of irrationals until the turn of the century -- Chapter 9. Title to be set up.

Sommario/riassunto

This publication, now in its second edition, includes an unabridged and annotated translation of two works by Johann Heinrich Lambert (1728–1777) written in the 1760s: *Vorläufige Kenntnis für die, so die Quadratur und Rectification des Circuls suchen* and *Mémoire sur quelques propriétés remarquables des quantités transcendentes circulaires et logarithmiques*. The translations, as in the first edition, are accompanied by a contextualised study of each of these works and provide an overview of Lambert's contributions, showing both the background and the influence of his work. In addition, by adopting a biographical approach, it allows readers to better get to know the scientist himself. Lambert was a highly relevant scientist and polymath in his time, admired by the likes of Kant, who despite having made a wide variety of contributions to different branches of knowledge, later faded into an undeserved secondary place with respect to other scientists of the eighteenth century. In mathematics, in particular, he is famous for his research on non-Euclidean geometries, although he is likely best known for having been the first who proved the irrationality of pi. In his *Mémoire*, he conducted one of the first studies on hyperbolic functions, offered a surprisingly rigorous proof of the irrationality of pi, established for the first time the modern distinction between algebraic and transcendental numbers, and based on such distinction, he conjectured the transcendence of pi and therefore the impossibility of squaring the circle.