

Porphyry (philosopher)

en.wikipedia.org

March 31, 2022

On the 28th of April 2012 the contents of the English as well as German Wikibooks and Wikipedia projects were licensed under Creative Commons Attribution-ShareAlike 3.0 Unported license. A URI to this license is given in the list of figures on page 31. If this document is a derived work from the contents of one of these projects and the content was still licensed by the project under this license at the time of derivation this document has to be licensed under the same, a similar or a compatible license, as stated in section 4b of the license. The list of contributors is included in chapter Contributors on page 21. The licenses GPL, LGPL and GFDL are included in chapter Licenses on page 35, since this book and/or parts of it may or may not be licensed under one or more of these licenses, and thus require inclusion of these licenses. The licenses of the figures are given in the list of figures on page 31. This PDF was generated by the L^AT_EX typesetting software. The L^AT_EX source code is included as an attachment (`source.7z.txt`) in this PDF file. To extract the source from the PDF file, you can use the `pdfdetach` tool including in the `poppler` suite, or the <http://www.pdflabs.com/tools/pdftk-the-pdf-toolkit/> utility. Some PDF viewers may also let you save the attachment to a file. After extracting it from the PDF file you have to rename it to `source.7z`. To uncompress the resulting archive we recommend the use of <http://www.7-zip.org/>. The L^AT_EX source itself was generated by a program written by Dirk Hünniger, which is freely available under an open source license from http://de.wikibooks.org/wiki/Benutzer:Dirk_Huenniger/wb2pdf.

Contents

1	Porphyry (philosopher)	3
1.1	Biography	4
1.2	<i>Introduction (Isagoge)</i>	5
1.3	<i>Philosophy from Oracles (De Philosophia ex Oraculis Haurienda)</i>	6
1.4	<i>Against the Christians (Adversus Christianos)</i>	7
1.5	Other subjects	8
1.6	Extant works	9
1.7	Lost works	10
1.8	Works of uncertain attribution	10
1.9	Editions and translations of multiple works	11
1.10	See also	11
1.11	References	11
1.12	Further reading	15
1.13	External links	16
2	Contributors	21
List of Figures		31
3	Licenses	35
3.1	GNU GENERAL PUBLIC LICENSE	35
3.2	GNU Free Documentation License	36
3.3	GNU Lesser General Public License	37

1 Porphyry (philosopher)

Neoplatonist philosopher

Porphyry of Tyre

Porphyre Sophiste, in a French 16th-century engraving

Born	c. 234 AD
	Tyre, Roman Empire
Died	305 (aged 70–71)

Rome, Roman Empire

Notable work

Era	Ancient philosophy
Region	Western philosophy
School	Neoplatonism
Main interests	Metaphysics, astrology
Notable ideas	Porphyrian tree, criticism of Christianity, vegetarianism

Porphyry of Tyre (/ˈpɔːrfɪrɪ/¹; Greek²: Πορφύριος, *Porphyrios*; Arabic³: فُرْفُوريُوسْ, *Furfuriyūs*; c. 234 – c. 305 AD) was a Tyrian^[1] Neoplatonic⁴ philosopher born in Tyre⁵, Roman Syria^{6[2]} during Roman rule⁷.^[a] He edited and published *The Enneads*⁸, the only collection of the work of Plotinus⁹, his teacher. His commentary on Euclid¹⁰'s *Elements*¹¹ was used as a source by Pappus of Alexandria¹².^[3]

1 <https://en.wikipedia.org/wiki/Help:IPA/English>

2 https://en.wikipedia.org/wiki/Greek_language

3 https://en.wikipedia.org/wiki/Arabic_language

4 <https://en.wikipedia.org/wiki/Neoplatonism>

5 https://en.wikipedia.org/wiki/Tyre,_Lebanon

6 https://en.wikipedia.org/wiki/Roman_Syria

7 https://en.wikipedia.org/wiki/Roman_Empire

8 https://en.wikipedia.org/wiki/The_Enneads

9 <https://en.wikipedia.org/wiki/Plotinus>

10 <https://en.wikipedia.org/wiki/Euclid>

11 https://en.wikipedia.org/wiki/Euclid%27s_Elements

12 https://en.wikipedia.org/wiki/Pappus_of_Alexandria

He wrote original works in the Greek language on a wide variety of topics, ranging from music theory¹³ to Homer¹⁴ to vegetarianism.^[b] His *Isagoge*¹⁵, or *Introduction*, an introduction to logic and philosophy,^[c] was the standard textbook on logic¹⁶ throughout the Middle Ages¹⁷ in its Latin¹⁸ and Arabic¹⁹ translations.^[d] Through works such as *Philosophy from Oracles* and *Against the Christians* (which was banned by Constantine the Great²⁰),^[e] he was involved in a controversy with early Christians²¹.^[f]

1.1 Biography

The *Suda*²² (a 10th-century Byzantine encyclopedia based on many sources now lost) reports that Porphyry was born in Phoenician²³ city of Tyre²⁴.^[g] His parents named him *Malchus* ("king" in the Semitic languages)^[h] but his teacher in Athens²⁵, Cassius Longinus²⁶, gave him the name Porphyrius ("clad in purple"), possibly a reference to his Phoenician heritage, or a punning allusion to his name and the color of royal robes. Under Longinus he studied grammar²⁷ and rhetoric²⁸.

In 262 he went to Rome²⁹, attracted by the reputation of Plotinus³⁰, and for six years devoted himself to the practice of Neoplatonism³¹, during which time he severely modified his diet. At one point he became suicidal.^[i] On the advice of Plotinus he went to live in Sicily³² for five years to recover his mental health. On returning to Rome, he lectured on philosophy³³ and completed an edition of the writings of Plotinus (who had died in the meantime) together with a biography of his teacher. Iamblichus³⁴ is mentioned in ancient Neoplatonic writings as his pupil, but this most likely means only that he was the dominant figure in the next generation of philosophers. The two men differed publicly on the issue of theurgy³⁵.

In his later years, he married Marcella, a widow with seven children and an enthusiastic student of philosophy. Little more is known of his life, and the date of his death is uncertain.

13 https://en.wikipedia.org/wiki/Music_theory

14 <https://en.wikipedia.org/wiki/Homer>

15 <https://en.wikipedia.org/wiki/Isagoge>

16 <https://en.wikipedia.org/wiki/Logic>

17 https://en.wikipedia.org/wiki/Middle_Ages

18 <https://en.wikipedia.org/wiki/Latin>

19 <https://en.wikipedia.org/wiki/Arabic>

20 https://en.wikipedia.org/wiki/Constantine_the_Great

21 https://en.wikipedia.org/wiki/Early_Christianity

22 <https://en.wikipedia.org/wiki/Suda>

23 <https://en.wikipedia.org/wiki/Phoenicia>

24 [https://en.wikipedia.org/wiki/Tyre_\(Lebanon\)](https://en.wikipedia.org/wiki/Tyre_(Lebanon))

25 <https://en.wikipedia.org/wiki/Athens>

26 [https://en.wikipedia.org/wiki/Cassius_Longinus_\(philosopher\)](https://en.wikipedia.org/wiki/Cassius_Longinus_(philosopher))

27 <https://en.wikipedia.org/wiki/Grammar>

28 <https://en.wikipedia.org/wiki/Rhetoric>

29 <https://en.wikipedia.org/wiki/Rome>

30 <https://en.wikipedia.org/wiki/Plotinus>

31 <https://en.wikipedia.org/wiki/Neoplatonism>

32 <https://en.wikipedia.org/wiki/Sicily>

33 <https://en.wikipedia.org/wiki/Philosophy>

34 <https://en.wikipedia.org/wiki/Iamblichus>

35 <https://en.wikipedia.org/wiki/Theurgy>

1.2 Introduction (Isagoge)



Figure 1 Imaginary debate between Averroes (1126–1198 AD) and Porphyry (234–c. 305 AD). Monfredo de Monte Imperiali *Liber de herbis*, 14th century.^[9]

Porphyry is best known for his contributions to philosophy. Apart from writing the *Aids to the Study of the Intelligibles* (Αρφορυά πρὸς τὰ νοητά; *Sententiae Ad Intelligibilia Ducentes*), a basic summary of Neoplatonism, he is especially appreciated for his *Introduction to Categories* (*Introductio in Praedicamenta* or *Isagoge et in Aristotelis Categorias commentarium*), a very short work often considered to be a commentary on Aristotle³⁶'s *Categories*³⁷, hence the title.^[e] According to Barnes 2003³⁸, however, the correct title is simply *Introduction* (Εἰσαγωγή *Isagoge*), and the book is an introduction not to the *Categories* in particular, but to *logic* in general, comprising as it does the theories of predication, definition, and proof. The Introduction describes how qualities attributed to things may be classified, famously breaking down the philosophical concept of substance into the five components *genus*, *species*, *difference*, *property*, *accident*.

As Porphyry's most influential contribution to philosophy, the *Introduction to Categories* incorporated Aristotle's logic into Neoplatonism, in particular the doctrine of the categories of being³⁹ interpreted in terms of entities (in later philosophy, "universal"⁴⁰). Boethius⁴¹

36 <https://en.wikipedia.org/wiki/Aristotle>

37 [https://en.wikipedia.org/wiki/Categories_\(Aristotle\)](https://en.wikipedia.org/wiki/Categories_(Aristotle))

38 #CITEREFBarnes2003

39 https://en.wikipedia.org/wiki/Category_of_being

40 [https://en.wikipedia.org/wiki/Universal_\(metaphysics\)](https://en.wikipedia.org/wiki/Universal_(metaphysics))

41 <https://en.wikipedia.org/wiki/Boethius>

Isagoge, a Latin translation of Porphyry's "Introduction", became a standard medieval textbook in European schools and universities, which set the stage for medieval philosophical-theological developments of logic and the problem of universals. In medieval textbooks, the all-important *Arbor porphyriana*⁴² ("Porphyrian Tree") illustrates his logical classification of substance. To this day, taxonomy benefits from concepts in Porphyry's Tree, in classifying living organisms (see cladistics⁴³).

The *Introduction* was translated into Arabic by Abd-Allāh Ibn al-Muqaffa⁴⁴ from a Syriac version. With the Arabicized name *Isāghūjī* (إِسَاغْوْجِي) it long remained the standard introductory logic text in the Muslim world and influenced the study of theology, philosophy, grammar, and jurisprudence. Besides the adaptations and epitomes of this work, many independent works on logic by Muslim philosophers have been entitled *Isāghūjī*. Porphyry's discussion of *accident* sparked a long-running debate on the application of *accident* and *essence*.^[10]

1.3 Philosophy from Oracles (*De Philosophia ex Oraculis Haurienda*)

Porphyry is also known as an opponent of Christianity⁴⁵ and defender of Paganism⁴⁶; his precise contribution to the philosophical approach to traditional religion may be discovered in the fragments of *Philosophy from Oracles* (Περὶ τῆς ἐκ λογίων φιλοσοφίας; *De Philosophia ex Oraculis Haurienda*), which was originally three books in length. There is debate as to whether it was written in his youth (as Eunapius reports^[8]) or closer in time to the persecutions of Christians under Diocletian⁴⁷ and Galerius⁴⁸.^[f]

Whether or not Porphyry was the pagan philosopher opponent in Lactantius⁴⁹' *Divine Institutes*, written at the time of the persecutions, has long been discussed. The fragments of the *Philosophy from Oracles* are only quoted by Christians, especially Eusebius⁵⁰, Theodoret⁵¹, Augustine⁵², and John Philoponus⁵³. The fragments contain oracles identifying proper sacrificial procedure, the nature of astrological⁵⁴ fate, and other topics relevant for Greek and Roman religion in the third century. Whether this work contradicts his treatise defending vegetarianism⁵⁵, which also warned the philosopher to avoid animal sacrifice, is disputed among scholars.^[12]

42 https://en.wikipedia.org/wiki/Arbor_porphyriana

43 <https://en.wikipedia.org/wiki/Cladistics>

44 https://en.wikipedia.org/wiki/Abd-All%C4%81h_Ibn_al-Muqaffa%CA%BF

45 <https://en.wikipedia.org/wiki/Christianity>

46 <https://en.wikipedia.org/wiki/Paganism>

47 <https://en.wikipedia.org/wiki/Diocletian>

48 <https://en.wikipedia.org/wiki/Galerius>

49 <https://en.wikipedia.org/wiki/Lactantius>

50 https://en.wikipedia.org/wiki/Eusebius_of_Caesarea

51 <https://en.wikipedia.org/wiki/Theodoret>

52 <https://en.wikipedia.org/wiki/Augustine>

53 https://en.wikipedia.org/wiki/John_Philoponus

54 <https://en.wikipedia.org/wiki/Astrological>

55 <https://en.wikipedia.org/wiki/Vegetarianism>

1.4 *Against the Christians (Adversus Christianos)*

Main article: Against the Christians⁵⁶ See also: Celsus⁵⁷



Figure 2 Porphyry, a detail of the *Tree of Jesse*, 1535, Sucevița Monastery.

During his retirement in Sicily⁵⁸, Porphyry wrote *Against the Christians* (Κατὰ Χριστιανῶν; *Adversus Christianos*) which consisted of fifteen books. Some thirty Christian apologists,

56 https://en.wikipedia.org/wiki/Against_the_Christians

57 <https://en.wikipedia.org/wiki/Celsus>

58 <https://en.wikipedia.org/wiki/Sicily>

such as Methodius⁵⁹, Eusebius⁶⁰, Apollinaris⁶¹, Augustine⁶², Jerome⁶³, etc., responded to his challenge. In fact, everything known about Porphyry's arguments is found in these refutations, largely because Theodosius II⁶⁴ ordered every copy burned⁶⁵ in AD 435 and again in 448.^{[13][14][15]}

Augustine⁶⁶ and the 5th-century ecclesiastical historian Socrates of Constantinople⁶⁷, assert that Porphyry was once a Christian.^[16]

1.5 Other subjects

Porphyry was opposed to the theurgy⁶⁸ of his disciple Iamblichus⁶⁹. Much of Iamblichus' mysteries is dedicated to the defense of mystic theurgic divine possession against the critiques of Porphyry. French philosopher Pierre Hadot⁷⁰ maintains that for Porphyry, spiritual exercises are an essential part of spiritual development.^[17]

Porphyry was, like Pythagoras⁷¹, an advocate of vegetarianism⁷² on spiritual and ethical grounds. These two philosophers are perhaps the most famous vegetarians of classical antiquity. He wrote the *On Abstinence from Animal Food*⁷³ (Περὶ ἀποχῆς ἐμψύχων; *De Abstinencia ab Esu Animalium*), advocating against the consumption of animals, and he is cited with approval in vegetarian literature up to the present day.

Porphyry also wrote widely on music theory⁷⁴,^[18] astrology⁷⁵, religion, and philosophy. He produced a *History of Philosophy* (*Philosophos historia*) with *vita*e⁷⁶ of philosophers that included a life of his teacher, Plotinus. His life of Plato from book iv exists only in quotes by Cyril of Alexandria⁷⁷. [g] His book *Vita Pythagorae* on the life of Pythagoras⁷⁸ is not to be confused with the book of the same name by Iamblichus⁷⁹. His commentary on Ptolemy's *Harmonics*⁸⁰[19] (*Eis ta Harmonika Ptolemaiou hypomnēma*) is an important source for the history of ancient harmonic theory.

59 https://en.wikipedia.org/wiki/Methodius_of_Olympus

60 <https://en.wikipedia.org/wiki/Eusebius>

61 https://en.wikipedia.org/wiki/Apollinaris_of_Ravenna

62 https://en.wikipedia.org/wiki/Augustine_of_Hippo

63 <https://en.wikipedia.org/wiki/Jerome>

64 https://en.wikipedia.org/wiki/Theodosius_II

65 https://en.wikipedia.org/wiki/Book_burning#Christian_book_burnings

66 https://en.wikipedia.org/wiki/Augustine_of_Hippo

67 https://en.wikipedia.org/wiki/Socrates_of_Constantinople

68 <https://en.wikipedia.org/wiki/Theurgy>

69 <https://en.wikipedia.org/wiki/Iamblichus>

70 https://en.wikipedia.org/wiki/Pierre_Hadot

71 <https://en.wikipedia.org/wiki/Pythagoras>

72 <https://en.wikipedia.org/wiki/Vegetarianism>

73 https://en.wikipedia.org/w/index.php?title=On_Abstinence_from_Animal_Food&action=edit&redlink=1

74 https://en.wikipedia.org/wiki/Music_theory

75 <https://en.wikipedia.org/wiki/Astrology>

76 <https://en.wikipedia.org/wiki/Biography>

77 https://en.wikipedia.org/wiki/Cyril_of_Alexandria

78 <https://en.wikipedia.org/wiki/Pythagoras>

79 <https://en.wikipedia.org/wiki/Iamblichus>

80 <https://en.wikipedia.org/wiki/Ptolemy#Music>

Porphyry also wrote about Homer⁸¹. Apart from several lost texts known only from quotations by other authors, two texts survive at least in large parts: the *Homeric Questions* (*Homēriká zētēmata*, largely a philological comment on the Iliad and Odyssey) and *On the Cave of the Nymphs in the Odyssey*⁸² (*Peri tou en Odysseia tōn nymphōn antrou*).

1.6 Extant works

- *Life of Plotinus*. Editions: Luc Brisson, *La Vie de Plotin*. Histoire de l'antiquité classique 6 & 16, Paris: Librairie Philosophique J. Vrin: 1986–1992, 2 vols; A. H. Armstrong, *Plotinus*, Loeb Classical Library, Cambridge, Massachusetts: Harvard University Press, 1968, pp. 2–84. Translation: *Neoplatonic Saints: The Lives of Plotinus and Proclus*. Translated Texts for Historians 35 (Liverpool: Liverpool University Press, 2000).
- *Life of Pythagoras*. Edition: E. des Places, *Vie de Pythagore, Lettre à Marcella*, Paris: Les Belles Lettres, 1982.
- Introduction to Aristotle's *Categories*⁸³ (*Isagoge*). Translations: E. Warren, *Isagoge*, Mediaeval Sources in Translation 16, Toronto: Pontifical Institute of Mediaeval Studies, 1975; J. Barnes, *Porphyry's Introduction*. Translation of the 'Isagoge' with a Commentary, Oxford, 2003; Steven K. Strange, *Porphyry. On Aristotle's Categories*, Ithaca, New York, 1992; Octavius Freire Owen, *The Organon or Logical Treatises of Aristotle with the Introduction of Porphyry*. Bohn's Classical Library 11–12, London: G. Bell, 1908–1910, 2 vols; Paul Vincent Spade, *Five Texts on the Mediaeval Problem of Universals: Porphyry, Boethius, Abelard, Duns Scotus, Ockham*, Indianapolis: Hackett, 1994.
- Introduction to the *Tetrabiblos*⁸⁴ of Ptolemy. Editions: Stefan Weinstock, in: Franz Cumont (ed.), *Catalogus Codicum astrologorum Graecorum*, (Brussels, 1940): V.4, 187–228; *Kommentar zur Harmonielehre des Ptolemaios* Ingemar Düring. ed. (Göteborg: Elanders, 1932). Translation: James Herschel Holden, *Porphyry the Philosopher, Introduction to the Tetrabiblos and Serapio of Alexandria, Astrological Definitions*, Tempe, Az.: A.F.A., Inc., 2009.
- *Against the Christians (Contra Christianos)*. Editions: A. Ramos Jurado, J. Ritoré Ponce, A. Carmona Vázquez, I. Rodríguez Moreno, J. Ortolá Salas, J. M. Zamora Calvo (eds), *Contra los Cristianos: Recopilación de Fragmentos, Traducción, Introducción y Notas* – (Cádiz: Servicio de Publicaciones de la Universidad de Cádiz 2006); Adolf von Harnack⁸⁵, *Porphyrius, "Gegen die Christen," 15 Bücher: Zeugnisse, Fragmente und Referate*. Abhandlungen der königlich preussischen Akademie der Wissenschaften: Jahrgang 1916: philosoph.-hist. Klasse: Nr. 1 (Berlin: 1916). Translations: R. M. Berchman, *Porphyry Against the Christians*, Ancient Mediterranean and Medieval Texts and Contexts 1, Leiden: Brill, 2005; R. Joseph Hoffmann, *Porphyry's Against the Christians: The Literary Remains*, Amherst: Prometheus Books, 1994.
- Commentary on Plato's Timaeus. Edition: A. R. Sodano, *Porphyrii in Platonis Timaeum commentarium fragmenta*, Napoli: 1964.
- *Homeric Questions*. Edition: *The Homeric Questions: a Bilingual Edition* – Lang Classical Studies 2, R. R. Schlunk, trans. (Frankfurt-am-Main: Lang, 1993).

81 <https://en.wikipedia.org/wiki/Homer>

82 https://en.wikipedia.org/wiki/On_the_Cave_of_the_Nymphs_in_the_Odyssey

83 [https://en.wikipedia.org/wiki/Categories_\(Aristotle\)](https://en.wikipedia.org/wiki/Categories_(Aristotle))

84 <https://en.wikipedia.org/wiki/Tetrabiblos>

85 https://en.wikipedia.org/wiki/Adolf_von_Harnack

- *On the caves of the nymphs (De antro nympharum)*. Edition: *The Cave of the Nymphs in the Odyssey. A revised text with translation* by Seminar Classics 609, State University of New York at Buffalo, Arethusa Monograph 1 (Buffalo: Dept. of Classics, State University of New York at Buffalo, 1969). Translation: Robert Lamberton, *On the Cave of the Nymphs*, Barrytown, N. Y.: Station Hill Press, 1983.
- *On the abstinence of eating animals (De abstinentia ab esu animalium)*. Edition: Jean Bouffartigue, M. Patillon, and Alain-Philippe Segonds, edd., 3 vols., Budé (Paris, 1979–1995). Translation: Gilliam Clark, *On Abstinence from Killing Animals*, Ithaca: Cornell University Press, 2000.
- *On philosophy from oracles (De Philosophia ex oraculis haurienda)*. Edition: G. Wolff, Berlin: 1856; Porphyrii Philosophi fragmenta, ed. by Andrew Smith, Stuttgart and Leipzig, Teubner 1993.
- *Aids to the Study of the Intelligibles (Sententiae ad Intelligibilia Ducentes)*. Edition: E. Lamberz, Leipzig: Teubner, 1975. Translation: K. Guthrie, *Launching-Points to the Realm of Mind*, Grand Rapids, Michigan, 1988.
- *Letter to Marcella*. Edition: Kathleen O'Brien Wicker, *Porphyry, the Philosopher, to Marcella: Text and Translation with Introduction and Notes*, Text and Translations 28; Graeco-Roman Religion Series 10 (Atlanata: Scholars Press, 1987); *Pros Markellan* Griechischer Text, herausgegeben, übersetzt, eingeleitet und erklärt von W. Pötscher (Leiden: E. J. Brill, 1969). Translation: Alice Zimmern⁸⁶, *Porphyry's Letter to His Wife Marcella Concerning the Life of Philosophy and the Ascent to the Gods*, Grand Rapids, Michigan, 1989.
- *Letter to Anebo (Epistula ad Anebonem)*. Edition: A. R. Sodano, Naples: L'arte Tipografia: 1958.

1.7 Lost works

- *Ad Gedalium*, a lost commentary on Aristotle's *Categories* in seven books.^[20] The *testimonia* are published in Andrew Smith (ed.), *Porphyrius, Porphyrii Philosophi fragmenta. Fragmenta Arabica David Wasserstein interpretante*, Berlin: Walter de Gruyter, 1993.
- *A Treatise concerning the Secret Doctrines of the Philosophers*. Mentioned by Eunapius according to John Toland in "Clidophorus, or of the Exoteric and Esoteric Philosophy." Eunapius says that Porphyry "commended the medicine of perspicuity, and tasting it by experience, wrote "A Treatise concerning the Secret Doctrines of the Philosophers", which they involv'd in obscurity, as in the Fables of the Poets, but which he brought to light."^[21]

1.8 Works of uncertain attribution

- *Ad Gaurum* (of uncertain attribution).^[22] Edition: K. Kalbfleisch. *Abhandlungen der Preussischen Akademie der Wissenschaft. phil.-hist. kl.* (1895): 33-62⁸⁷. Translation: J. Wilberding, *To Gaurus On How Embryos are Ensouled, and On What is in our Power*

86 https://en.wikipedia.org/wiki/Alice_Zimmern

87 <https://archive.org/details/dieneuplatonic00galegoog>

- . *Ancient Commentators on Aristotle Series*, R. Sorabji (ed.), Bristol: Classical Press, 2011.
- #6 and #9 in *Corpus dei Papiri Filosofici Greci e Latini III: Commentari* – (Florence: Leo S. Olschki, 1995) may or may not be by Porphyry.

1.9 Editions and translations of multiple works

- Translations of several fragments are contained in Appendix 1 of *Religion and Identity in Porphyry of Tyre* by Aaron Johnson (Cambridge, 2013).
- *Select Works of Porphyry*. Translated by T. Taylor (Guildford, 1994). Contains *Abstinence from Eating Animal Food*, the *Sententiae* and the *Cave of the Nymphs*.
- Fragments: Andrew Smith, *Stvtgardiae et Lipsiae*: B. G. Tevbneri, 1993.
- *Opuscula selecta* Augusts Nauck, ed. (Lipsiae: B. G. Tevbneri, 1886) (online at archive.org⁸⁸).

1.10 See also

- Basilides of Tyre⁸⁹
- Macarius Magnes⁹⁰ – his work *Apocriticus* contains a series of excerpts from Porphyry's *Against the Christians*

1.11 References

1.11.1 Footnotes

1. For Porphyry's dates, place of birth and philosophical school, see Barker 2003⁹¹, pp. 1226–1227. Sarton 1936⁹², pp. 429–430 identifies Transjordania as Porphyry's place of birth.
2. For a comprehensive list see Beutler (1894–1980); Guthrie 1988⁹³, p. 91 provides another list
3. Barnes 2003⁹⁴, p. xv clarifies that the *Isagoge* "[was] not an *Introduction to the Categories*, rather "[since it was] an introduction to the study of logic, [it] was... an introduction to philosophy--and hence accidentally an introduction to the *Categories*".
4. For connotations of West Semitic *M-L-K*, see Moloch⁹⁵ and Malik⁹⁶; compare theophoric names⁹⁷ like Abimelech⁹⁸.

88 <https://archive.org/details/porphyriiphilos00naucgoog>

89 https://en.wikipedia.org/wiki/Basilides_of_Tyre

90 https://en.wikipedia.org/wiki/Macarius_Magnes

91 #CITEREFBarker2003

92 #CITEREFSarton1936

93 #CITEREFGuthrie1988

94 #CITEREFBarnes2003

95 <https://en.wikipedia.org/wiki/Moloch>

96 <https://en.wikipedia.org/wiki/Malik>

97 <https://en.wikipedia.org/wiki/Theophory>

98 <https://en.wikipedia.org/wiki/Abimelech>

5. Barnes 2003⁹⁹, p. xiv outlines the history of the opinion that Porphyry meant for his *Isagoge* to be an introductory work to the *Categories*.
6. The Christian apologist Eusebius¹⁰⁰ states that "some Greek" might say "How can these people be thought worthy of forbearance? They have not only turned away from those who from earliest time have been thought of as divine among all Greeks and barbarians... but by emperors, law-givers and philosophers—all of a given mind... And to what sort of penalties might they not be subjected who... are fugitives from the things of their Fathers?" This material, once thought to be part of *Against the Christians*, but reassigned by Wilken 1979¹⁰¹ to *Philosophy from Oracles*, is quoted in Digeser 1998¹⁰², p. 129. However, it may not have been by Porphyry at all.^[11]
7. Notopoulos 1940¹⁰³, pp. 284–293 attempted a reconstruction from Apuleius' use of it.

1.11.2 Citations

1. Aaron P. Johnson, *Religion and Identity in Porphyry of Tyre: The Limits of Hellenism in Late Antiquity (Greek Culture in the Roman World)* Cambridge University Press, May 20, 2013, p. 236 "...at the very least, we can affirm that all external evidence points to his being a Tyrian from Phoenicia."¹⁰⁴
2. SCHOTT, JEREMY M. (2013-04-23). *Christianity, Empire, and the Making of Religion in Late Antiquity*¹⁰⁵. UNIVERSITY OF PENNSYLVANIA PRESS. ISBN¹⁰⁶ 978-0-8122-0346-2¹⁰⁷.
3. O'CONNOR, JOHN J.¹⁰⁸; ROBERTSON, EDMUND F.¹⁰⁹, "PORPHYRY MALCHUS"¹¹⁰, *MacTutor History of Mathematics archive*¹¹¹, UNIVERSITY OF ST ANDREWS¹¹²
4. Barnes 2003¹¹³, p. ix.
5. Clarke 1989¹¹⁴, p. 9.
6. Digeser 1998¹¹⁵.
7. Suda¹¹⁶, Porphyry¹¹⁷

99 #CITEREFBarnes2003

100 https://en.wikipedia.org/wiki/Eusebius_of_Caesarea

101 #CITEREFWilken1979

102 #CITEREFDigeser1998

103 #CITEREFNotopoulos1940

https://books.google.com/books?hl=en&lr=&id=mM7N_v0xcmQC&oi=fnd&pg=PR8&dq=Porphyry+of+Tyre+phoenicia&ots=fE4JHByGG3&sig=6oipv1fUejZm4csw3hoaNh0YrCE#v=onepage&q=phoenicia&f=false

https://books.google.com/books?id=VJDuEd_J15YC&q=translations+of+Porphyry's+name+are+indicative+of+a+much+deeper+transformation,+that+from+Syrian+provincial+to&pg=PA62

106 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

107 <https://en.wikipedia.org/wiki/Special:BookSources/978-0-8122-0346-2>

108 [https://en.wikipedia.org/wiki/John_J._0%27Connor_\(mathematician\)](https://en.wikipedia.org/wiki/John_J._0%27Connor_(mathematician))

109 https://en.wikipedia.org/wiki/Edmund_F._Robertson

110 <https://mathshistory.st-andrews.ac.uk/Biographies/Porphyry.html>

111 https://en.wikipedia.org/wiki/MacTutor_History_of_Mathematics_archive

112 https://en.wikipedia.org/wiki/University_of_St Andrews

113 #CITEREFBarnes2003

114 #CITEREFClarke1989

115 #CITEREFDigeser1998

116 <https://en.wikipedia.org/wiki/Suda>

117 https://www.cs.uky.edu/~raphael/sol/sol-cgi-bin/search.cgi?login=guest&enlogin=guest&db=REAL&field=adlerhw_gr&searchstr=pi,2099

8. EUNAPIUS¹¹⁸ (1921). "LIVES OF THE PHILOSOPHERS AND SOPHISTS"¹¹⁹. [tertullian.org](http://www.tertullian.org/fathers/eunapius_02_text.htm#PORPHYRY). pp. 343–565. Retrieved 6 September 2019.
9. Sadaune 2014¹²⁰, p. 112.
10. Rahman 1986¹²¹, pp. 271–273.
11. Johnson 2010¹²², p. 53–58.
12. Johnson 2013¹²³, p. 135.
13. Digeser 1998¹²⁴, p. 130: "Constantine and other emperors banned and burned Porphyry's work".
14. Socrates Scholasticus 1885¹²⁵, pp. Book I, Ch 9, pp. 30-31, Letter of Constantine proscribing the works of Porphyry and Arius.
15. Stevenson 1987¹²⁶: Gelasius, *Historia Ecclesiastica*, II.36
16. Socrates Scholasticus 1885b¹²⁷, pp. Book III, Ch 23.
17. Hadot 1995¹²⁸, p. 100.
18. RICHTER, LUKAS (2001). "PORPHYRY"¹²⁹. *Grove Music Online*¹³⁰. OXFORD: OXFORD UNIVERSITY PRESS¹³¹. DOI¹³²:10.1093/gmo/9781561592630.article.22125¹³³. RETRIEVED 25 SEPTEMBER 2021. (subscription or UK public library membership¹³⁴ required)
19. "Τοξόλυρος - Εἰς τὰ ἀρμονικὰ Πτολεμαίου ὑπόμνημα - φιλοσοφικό Ακαδημίας"¹³⁵ [IN PTOLEMY'S HARMONIZED MEMOIRS – PHILOSOPHICAL ACADEMY] (IN GREEK). ARCHIVED FROM THE ORIGINAL¹³⁶ ON 2011-07-21.
20. Simplicius, *In Aristotelis Categories commentarium*, 2.5-9v
21. TOLAND, JOHN (1720). "Clidophorus, or of the Exoteric and Esoteric Philosophy, that is of the External and Internal Doctrine of the Ancients: the one open and public, accommodating to the popular prejudices and established Religions, the other private and secret, wherein, to the few capable and discrete, was taught the real truth stript of all disguises," in *Tetradamus*. Brotherton and Meadows (London). pp. v.
22. Barnes 2011¹³⁷, p. 109, n. 22.

118 <https://en.wikipedia.org/wiki/Eunapius>

119 http://www.tertullian.org/fathers/eunapius_02_text.htm#PORPHYRY

120 #CITEREF Sadaune2014

121 #CITEREF Rahman1986

122 #CITEREF Johnson2010

123 #CITEREF Johnson2013

124 #CITEREF Digeser1998

125 #CITEREF Socrates_Scholasticus1885

126 #CITEREF Stevenson1987

127 #CITEREF Socrates_Scholasticus1885b

128 #CITEREF Hadot1995

129 <https://www.oxfordmusiconline.com/grovemusic/view/10.1093/gmo/9781561592630.001.0001/omo-9781561592630-e-0000022125>

130 https://en.wikipedia.org/wiki/Grove_Music_Online

131 https://en.wikipedia.org/wiki/Oxford_University_Press

132 [https://en.wikipedia.org/wiki/Doi_\(identifier\)](https://en.wikipedia.org/wiki/Doi_(identifier))

133 <https://doi.org/10.1093/2Fgmo%2F9781561592630.article.22125>

134 <https://www.oxfordmusiconline.com/page/subscribe#public>

135 https://web.archive.org/web/20110721083538/http://www.toxolyros.gr/index.php?option=com_content&task=view&id=5663&Itemid=857

136 http://www.toxolyros.gr/index.php?option=com_content&task=view&id=5663&Itemid=857

137 #CITEREF Barnes2011

1.11.3 Sources

- BARKER, A. (2003). "PORPHYRY". IN HORNBLOWER, S.; SPAWFORTH, A. (EDS.). *Oxford Classical Dictionary* (revised 3rd ed.). pp. 1226–1227.
- BARNEs, JONATHAN (2003). *Porphyry: Introduction*¹³⁸. OXFORD: CLARENDON. ISBN¹³⁹ 9780199246144¹⁴⁰.
- BARNEs, JONATHAN (2011). *Method and Metaphysics: Essays in Ancient Philosophy*¹⁴¹. VOL. I. OXFORD: OUP. ISBN¹⁴² 978-0-19-957751-4¹⁴³.
- Beutler, R. (1894–1980). "Porphyrios (21)" in A. Pauly, G. Wissowa, W. Kroll, K. Witte, K. Mittelhaus and K. Ziegler, eds., *Paulys Realencyclopädie der classischen Altertumswissenschaft*, vol. 22.1.
- CLARKE, GILLIAN (1989). *Iamblichus : On the Pythagorean Life*¹⁴⁴. LIVERPOOL UNIVERSITY PRESS. ISBN¹⁴⁵ 978-0-85323-326-8¹⁴⁶.
- DIGESER, ELIZABETH DEPALMA¹⁴⁷ (1998). "LACTANTIUS, PORPHYRY, AND THE DEBATE OVER RELIGIOUS TOLERATION". *Journal of Roman Studies*. 88: 129–146. doi¹⁴⁸:10.2307/300808¹⁴⁹. ISSN¹⁵⁰ 0075-4358¹⁵¹. JSTOR¹⁵² 300808¹⁵³.
- GUTHRIE, KENNETH SYLVAN¹⁵⁴ (1988). "THE WORKS OF PORPHYRY". *Porphyry's Launching-points to the realm of mind: an introduction to the neoplatonic philosophy of Plotinus*¹⁵⁵. PHANES PRESS. ISBN¹⁵⁶ 978-0-933999-59-6¹⁵⁷. also available at tertullian.org¹⁵⁸
- HADOT, P.¹⁵⁹ (1995). *Philosophy as a Way of Life*. Oxford: Blackwell.
- JOHNSON, AARON (2010). "RETHINKING THE AUTHENTICITY OF PORPHYRY, C.CHRIST. FR. 1". *Studia Patristica*. 46: 53–58.
- JOHNSON, AARON P. (2013). *Religion and Identity in Porphyry of Tyre: The Limits of Hellenism in Late Antiquity*¹⁶⁰. CAMBRIDGE UNIVERSITY PRESS. ISBN¹⁶¹ 978-1-107-01273-8¹⁶².

138 <https://books.google.com/books?id=hE8TDAAAQBAJ>

139 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

140 <https://en.wikipedia.org/wiki/Special:BookSources/9780199246144>

141 <https://books.google.com/books?id=28h6x7HQosgC&pg=PA109>

142 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

143 <https://en.wikipedia.org/wiki/Special:BookSources/978-0-19-957751-4>

144 <https://books.google.com/books?id=N9vrHlJVck8C&pg=PR9>

145 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

146 <https://en.wikipedia.org/wiki/Special:BookSources/978-0-85323-326-8>

147 https://en.wikipedia.org/wiki/Elizabeth_DePalma_Digeser

148 [https://en.wikipedia.org/wiki/Doi_\(identifier\)](https://en.wikipedia.org/wiki/Doi_(identifier))

149 <https://doi.org/10.2307%2F300808>

150 [https://en.wikipedia.org/wiki/ISSN_\(identifier\)](https://en.wikipedia.org/wiki/ISSN_(identifier))

151 <http://www.worldcat.org/issn/0075-4358>

152 [https://en.wikipedia.org/wiki/JSTOR_\(identifier\)](https://en.wikipedia.org/wiki/JSTOR_(identifier))

153 <http://www.jstor.org/stable/300808>

154 https://en.wikipedia.org/wiki/Kenneth_Sylvan_Guthrie

155 <https://books.google.com/books?id=0AgQAQAAIAAJ>

156 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

157 <https://en.wikipedia.org/wiki/Special:BookSources/978-0-933999-59-6>

158 http://www.tertullian.org/fathers/porphyry_works.htm

159 https://en.wikipedia.org/wiki/Pierre_Hadot

160 https://books.google.com/books?id=mM7N_v0xcmQC&pg=PA135

161 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

162 <https://en.wikipedia.org/wiki/Special:BookSources/978-1-107-01273-8>

- NOTOPOULOS, JAMES A. (1940). "PORPHYRY'S LIFE OF PLATO". *Classical Philology*. **35** (3): 284–293. doi¹⁶³:10.1086/362396¹⁶⁴. ISSN¹⁶⁵ 0009-837X¹⁶⁶. S2CID¹⁶⁷ 161160877¹⁶⁸.
- RAHMAN, F. (1986). ".ARAŽ"¹⁶⁹. *Encyclopaedia Iranica*. Vol. II, Fasc. 3. pp. 271–273.
- SARTON, G. (1936). "THE UNITY AND DIVERSITY OF THE MEDITERRANEAN WORLD". *Osiris*. **2**: 406–463. doi¹⁷⁰:10.1086/368462¹⁷¹. S2CID¹⁷² 143379839¹⁷³.
- SADAUNE, SAMUEL (2014). *Inventions et découvertes au Moyen-Age [Inventions and Discoveries of the Middle Ages]* (in French). Ouest-France. ISBN¹⁷⁴ 9782737362415¹⁷⁵.
- SOCRATES SCHOLASTICUS¹⁷⁶ (1885). *Historia Ecclesiastica*¹⁷⁷. VOL. BOOK I, CH 9, PP. 30-31 – VIA WIKISOURCE¹⁷⁸.
- SOCRATES SCHOLASTICUS¹⁷⁹ (1885B). *Historia Ecclesiastica*¹⁸⁰. VOL. BOOK III, CH 23 – VIA WIKISOURCE¹⁸¹.
- STEVENSON, JAMES (1987). *A New Eusebius: Documents Illustrating the History of the Church to AD 337*¹⁸². SPCK. ISBN¹⁸³ 978-0-281-04268-5¹⁸⁴.
- WILKEN, R. (1979). "PAGAN CRITICISM OF CHRISTIANITY: GREEK RELIGION AND CHRISTIAN FAITH". IN SCHOEDEL AND, W.; WILKEN, R. (EDS.). *Early Christian Literature and the Classical Intellectual Tradition*. pp. 117–134.

1.12 Further reading

- Bidez, J. (1913). *Vie de Porphyre*. Ghent.
- Clark, Gillian, "Porphyry of Tyre on the New Barbarians," in R. Miles (ed), *Constructing Identities in Late Antiquity* (London: Routledge, 1999), 112–132; = in Eadem, *Body and Gender, Soul and Reason in Late Antiquity* (Farnham; Burlington, VT, Ashgate, 2011) (Variorum collected studies series, CS978), art. XIV.
- Clark, Gillian, "Philosophic Lives and the philosophic life: Porphyry and Iamblichus," in T. Hägg and P. Rousseau (eds), *Greek Biography and Panegyric in Late Antiquity*

163 [https://en.wikipedia.org/wiki/Doi_\(identifier\)](https://en.wikipedia.org/wiki/Doi_(identifier))

164 <https://doi.org/10.1086%2F362396>

165 [https://en.wikipedia.org/wiki/ISSN_\(identifier\)](https://en.wikipedia.org/wiki/ISSN_(identifier))

166 <http://www.worldcat.org/issn/0009-837X>

167 [https://en.wikipedia.org/wiki/S2CID_\(identifier\)](https://en.wikipedia.org/wiki/S2CID_(identifier))

168 <https://api.semanticscholar.org/CorpusID:161160877>

169 <http://www.iranicaonline.org/articles/araz-a-term-of-philosophy-meaning-accident>

170 [https://en.wikipedia.org/wiki/Doi_\(identifier\)](https://en.wikipedia.org/wiki/Doi_(identifier))

171 <https://doi.org/10.1086%2F368462>

172 [https://en.wikipedia.org/wiki/S2CID_\(identifier\)](https://en.wikipedia.org/wiki/S2CID_(identifier))

173 <https://api.semanticscholar.org/CorpusID:143379839>

174 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

175 <https://en.wikipedia.org/wiki/Special:BookSources/9782737362415>

176 https://en.wikipedia.org/wiki/Socrates_Scholasticus

177 https://en.wikisource.org/wiki/Nicene_and_Post-Nicene_Fathers:_Series_II/Volume_II/Socrates/Book_I/Chapter_9

178 <https://en.wikipedia.org/wiki/Wikisource>

179 https://en.wikipedia.org/wiki/Socrates_Scholasticus

180 https://en.wikisource.org/wiki/Nicene_and_Post-Nicene_Fathers:_Series_II/Volume_II/Socrates/Book_III/Chapter_23

181 <https://en.wikipedia.org/wiki/Wikisource>

182 <https://books.google.com/books?id=uIjYAAAAMAAJ>

183 [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

184 <https://en.wikipedia.org/wiki/Special:BookSources/978-0-281-04268-5>

- (Berkeley and Los Angeles, University of California Press, 2000), 29–51; = in Eadem, *Body and Gender, Soul and Reason in Late Antiquity* (Farnham; Burlington, VT, Ashgate, 2011) (Variorum collected studies series, CS978), art. XV.
- Clark, Gillian, "Fattening the soul: Christian asceticism and Porphyry On Abstinence," *Studia Patristica*, 35, 2001, 41–51; = in Eadem, *Body and Gender, Soul and Reason in Late Antiquity* (Farnham; Burlington, VT, Ashgate, 2011) (Variorum collected studies series, CS978), art. XVI.
 - Emilsson, E., "Porphyry"¹⁸⁵. Retrieved April 19, 2009.
 - Iamblichus: *De mysteriis*. Translated with an Introduction and Notes by Emma C. Clarke, John M. Dillon¹⁸⁶ and Jackson P. Hershbell (Society of Biblical Literature; 2003) ISBN¹⁸⁷ 1-58983-058-X¹⁸⁸.
 - Girgenti, G. (1987) *Porfirio negli ultimi cinquant'anni: bibliografia sistematica e ragionata della letteratura primaria e secondaria riguardante il pensiero porfiriano e i suoi influssi storici* Milan.
 - Smith, Andrew (1987) *Porphyrian Studies since 1913*, in W. Haase, ed., Aufstieg und Niedergang der Römischen Welt II.36.2, pp. 717–773.
 - Smith, Andrew (1974) *Porphyry's Place in the Neoplatonic Tradition. A Study in post-Plotinian Neoplatonism*, The Hague, Nijhoff.
 - Zuiddam, B. A. "Old Critics and Modern Theology," *Dutch Reformed Theological Journal* (South Africa), xxxvi, 1995, No. 2.

1.13 External links

Library resources¹⁸⁹ about

Porphyry

- Online books¹⁹⁰
- Resources in your library¹⁹¹
- Resources in other libraries¹⁹²

By Porphyry

¹⁸⁵ <http://plato.stanford.edu/entries/po...>

¹⁸⁶ https://en.wikipedia.org/wiki/John_M._Dillon

¹⁸⁷ [https://en.wikipedia.org/wiki/ISBN_\(identifier\)](https://en.wikipedia.org/wiki/ISBN_(identifier))

¹⁸⁸ <https://en.wikipedia.org/wiki/Special:BookSources/1-58983-058-X>

¹⁸⁹ https://en.wikipedia.org/wiki/Wikipedia:The_Wikipedia_Library

¹⁹⁰ <https://ft1.toolforge.org/cgi-bin/ft1?st=wp&su=Porphyry+%28philosopher%29&library=OLBP>

¹⁹¹ <https://ft1.toolforge.org/cgi-bin/ft1?st=wp&su=Porphyry+%28philosopher%29>

¹⁹² <https://ft1.toolforge.org/cgi-bin/ft1?st=wp&su=Porphyry+%28philosopher%29&library=OCHOOSEO>

- Online books¹⁹³
- Resources in your library¹⁹⁴
- Resources in other libraries¹⁹⁵

-  Media related to Porphyry (philosopher)¹⁹⁶ at Wikimedia Commons
-  Works written by or about Porphyry¹⁹⁷ at Wikisource¹⁹⁸
-  Greek Wikisource¹⁹⁹ has original text related to this article: Πορφύριος²⁰⁰
-  Quotations related to Porphyry (philosopher)²⁰¹ at Wikiquote
- Porphyry Malchus (mathematician)²⁰² – entry in MacTutor History of Maths Archives.
- EMILSSON, EYJÓLFUR. "PORPHYRY"²⁰³. IN ZALTA, EDWARD N.²⁰⁴ (ED.). *Stanford Encyclopedia of Philosophy*²⁰⁵.
- Περὶ τοῦ ἐν Ὀδυσσείᾳ τῶν Νυμφῶν Ἀντρου (The Cave of the Nymphs in the Odyssey), original Greek text.²⁰⁶
- Εἰσαγωγὴ εἰς τὴν Ἀποτελεσματικὴν τοῦ Πτολεμαίου (Introduction to Ptolemy's Tetrabiblos), original Greek text.²⁰⁷
- Porphyry, *On Abstinence from Animal Food*, Book I²⁰⁸, translated by Thomas Taylor²⁰⁹.
- Porphyry, *On Abstinence from Animal Food*, Book II²¹⁰, translated by Thomas Taylor.
- Porphyry, *On Abstinence from Animal Food*, Book III²¹¹, translated by Thomas Taylor.
- Porphyry, *On Abstinence from Animal Food*, Book IV²¹², translated by Thomas Taylor.
- Porphyry, *On the Cave of Nymphs*²¹³, translated by Thomas Taylor.
- Porphyry, *Auxiliaries to the Perception of Intelligible Natures*²¹⁴, translated by Thomas Taylor.

193 <http://ftl.toolforge.org/cgi-bin/ftl?at=wp&au=Porphyry+%28philosopher%29&library=OLBP>

194 <http://ftl.toolforge.org/cgi-bin/ftl?at=wp&au=Porphyry+%28philosopher%29>

195 <http://ftl.toolforge.org/cgi-bin/ftl?at=wp&au=Porphyry+%28philosopher%29&library=OCHOOSEO>

196 [https://commons.wikimedia.org/wiki/Category:Porphyry_\(philosopher\)](https://commons.wikimedia.org/wiki/Category:Porphyry_(philosopher))

197 <https://en.wikisource.org/wiki/Author:Porphyry>

198 <https://en.wikipedia.org/wiki/Wikisource>

199 <https://en.wikipedia.org/wiki/Wikisource>

200 <https://en.wikisource.org/wiki/el:%CE%A0%CE%BF%CF%81%CF%86%CF%8D%CF%81%CE%B9%CE%BF%CF%82>

201 [https://en.wikiquote.org/wiki/Special:Search/Porphyry_\(philosopher\)](https://en.wikiquote.org/wiki/Special:Search/Porphyry_(philosopher))

202 <http://www-history.mcs.st-andrews.ac.uk/Biographies/Porphyry.html>

203 <https://plato.stanford.edu/entries/poetry/>

204 https://en.wikipedia.org/wiki/Edward_N._Zalta

205 https://en.wikipedia.org/wiki/Stanford_Encyclopedia_of_Philosophy

206 <https://www.astrologicon.org/poetry/poetry-peri-tou-en-odysseia-ton-nymphon-antrou.html>

207 <https://www.astrologicon.org/poetry/poetry-introduction-to-apotelesmatics-of-ptolemy.html>

208 http://www.tertullian.org/fathers/poetry_abstinence_01_book1.htm

209 [https://en.wikipedia.org/wiki/Thomas_Taylor_\(neoplatonist\)](https://en.wikipedia.org/wiki/Thomas_Taylor_(neoplatonist))

210 http://www.tertullian.org/fathers/poetry_abstinence_02_book2.htm

211 http://www.tertullian.org/fathers/poetry_abstinence_03_book3.htm

212 http://www.tertullian.org/fathers/poetry_abstinence_04_book4.htm

213 http://www.tertullian.org/fathers/poetry_cave_of_nymphs_02_translation.htm

214 http://tertullian.org/fathers/poetry_sententiae_02_trans.htm

- Porphyry, *Isagoge*²¹⁵, translated by Octavius Freire Owen²¹⁶.
- *The Isagoge, or Introduction of Porphyry*²¹⁷, translated by Thomas Taylor with an extensive preface by the translator.
- Porphyry, *On the Life of Plotinus*²¹⁸
- Porphyry, *Comments on the Book of Daniel*²¹⁹
- Additional texts, edited by Roger Pearse²²⁰
- Works by Porphyry²²¹ at LibriVox²²² (public domain audiobooks)

Platonists

Ancient Greek and Hellenistic mathematics (Euclidean geometry)

Authority control

- This page was last edited on 9 March 2022, at 08:40 (UTC).
- Text is available under the Creative Commons Attribution-ShareAlike License 3.0²²³²²⁴; additional terms may apply. By using this site, you agree to the Terms of Use²²⁵ and

215 http://www.tertullian.org/fathers/porphyry_isagogue_02_translation.htm

216 https://en.wikisource.org/wiki/Author:Octavius_Freire_Owen

217 http://www.prometheustrust.co.uk/html/20_-_organon.html

218 <http://www.sacred-texts.com/cla/plotenn/enn001.htm>

219 <http://www.attalus.org/translate/daniel.html>

220 <http://www.ccel.org/ccel/pearse/morefathers/files/morefathers.html#porphyry>

221 <https://librivox.org/author/12112>

222 <https://en.wikipedia.org/wiki/LibriVox>
http://en.wikipedia.org/wiki/Wikipedia:Text_of_Creative_Commons_Attribution-ShareAlike_3.0_Unported_License

223 <http://creativecommons.org/licenses/by-sa/3.0/>

224 http://foundation.wikimedia.org/wiki/Terms_of_Use

Privacy Policy²²⁶. Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc.²²⁷, a non-profit organization.

226 http://foundation.wikimedia.org/wiki/Privacy_policy
227 <http://www.wikimediafoundation.org/>

2 Contributors

Edits	User
1	14Jenna7Caesura ¹
1	4C~enwiki ²
1	Abani79 ³
1	Addbot ⁴
2	Aldux ⁵
1	Amirobot ⁶
4	AndreasJS ⁷
1	AnomieBOT ⁸
4	Antioco79 ⁹
1	ArthurBot ¹⁰
7	Ashmoo ¹¹
1	Asmith44 ¹²
1	Autonomous agent 5 ¹³
4	Aza24 ¹⁴
1	BG19bot ¹⁵
2	Bacchiad ¹⁶
2	Bairam ¹⁷
1	Barticus88 ¹⁸
1	BattyBot ¹⁹
1	Bender235 ²⁰

-
- 1 <https://en.wikipedia.org/w/index.php?title=User:14Jenna7Caesura&action=edit&redlink=1>
 - 2 <https://en.wikipedia.org/wiki/User:4C~enwiki>
 - 3 <https://en.wikipedia.org/wiki/User:Abani79>
 - 4 <https://en.wikipedia.org/wiki/User:Addbot>
 - 5 <https://en.wikipedia.org/wiki/User:Aldux>
 - 6 <https://en.wikipedia.org/wiki/User:Amirobot>
 - 7 <https://en.wikipedia.org/wiki/User:AndreasJS>
 - 8 <https://en.wikipedia.org/wiki/User:AnomieBOT>
 - 9 <https://en.wikipedia.org/w/index.php?title=User:Antioco79&action=edit&redlink=1>
 - 10 <https://en.wikipedia.org/wiki/User:ArthurBot>
 - 11 <https://en.wikipedia.org/wiki/User:Ashmoo>
 - 12 <https://en.wikipedia.org/wiki/User:Asmith44>
 - 13 https://en.wikipedia.org/wiki/User:Autonomous_agent_5
 - 14 <https://en.wikipedia.org/wiki/User:Aza24>
 - 15 <https://en.wikipedia.org/wiki/User:BG19bot>
 - 16 <https://en.wikipedia.org/wiki/User:Bacchiad>
 - 17 <https://en.wikipedia.org/w/index.php?title=User:Bairam&action=edit&redlink=1>
 - 18 <https://en.wikipedia.org/wiki/User:Barticus88>
 - 19 <https://en.wikipedia.org/wiki/User:BattyBot>
 - 20 <https://en.wikipedia.org/wiki/User:Bender235>

1 Bigturtle²¹
1 Bill Thayer²²
1 Billinghurst²³
1 Bkonrad²⁴
1 BlackAndy²⁵
3 Bmcln1²⁶
1 Bota47²⁷
1 Broadbot²⁸
1 Buidhe²⁹
3 Catalographer³⁰
1 Caunaruauan³¹
2 Charles Matthews³²
1 Ched³³
2 Chris_73³⁴
2 Cinadon36³⁵
3 Citation bot³⁶
1 Ckatz³⁷
1 Connection³⁸
7 Cydebot³⁹
8 DanielCD⁴⁰
1 DannyAsher⁴¹
1 DannyS712⁴²
1 DefaultsortBot⁴³
1 Delirium⁴⁴
3 Dennyz_46⁴⁵

21 <https://en.wikipedia.org/wiki/User:Bigturtle>
22 https://en.wikipedia.org/wiki/User:Bill_Thayer
23 <https://en.wikipedia.org/wiki/User:Billinghurst>
24 <https://en.wikipedia.org/wiki/User:Bkonrad>
25 <https://en.wikipedia.org/wiki/User:BlackAndy>
26 <https://en.wikipedia.org/wiki/User:Bmcln1>
27 <https://en.wikipedia.org/wiki/User:Bota47>
28 <https://en.wikipedia.org/wiki/User:Broadbot>
29 <https://en.wikipedia.org/wiki/User:Buidhe>
30 <https://en.wikipedia.org/wiki/User:Catalographer>
31 <https://en.wikipedia.org/w/index.php?title=User:Caunaruauan&action=edit&redlink=1>
32 https://en.wikipedia.org/wiki/User:Charles_Matthews
33 <https://en.wikipedia.org/wiki/User:Ched>
34 https://en.wikipedia.org/wiki/User:Chris_73
35 <https://en.wikipedia.org/wiki/User:Cinadon36>
36 https://en.wikipedia.org/wiki/User:Citation_bot
37 <https://en.wikipedia.org/wiki/User:Ckatz>
38 <https://en.wikipedia.org/wiki/User:Connection>
39 <https://en.wikipedia.org/wiki/User:Cydebot>
40 <https://en.wikipedia.org/wiki/User:DanielCD>
41 <https://en.wikipedia.org/wiki/User:DannyAsher>
42 <https://en.wikipedia.org/wiki/User:DannyS712>
43 <https://en.wikipedia.org/wiki/User:DefaultsortBot>
44 <https://en.wikipedia.org/wiki/User:Delirium>
45 https://en.wikipedia.org/w/index.php?title=User:Dennyz_46&action=edit&redlink=1

1 Deweyd8210⁴⁶
 1 Dewritech⁴⁷
 1 Dexbot⁴⁸
 10 Dfass⁴⁹
 1 Dimadick⁵⁰
 1 Dimboukas⁵¹
 1 DraiconeBot⁵²
 2 Durova⁵³
 1 Edward321⁵⁴
 1 Efrafra⁵⁵
 1 Elias Ziade⁵⁶
 1 EmausBot⁵⁷
 1 EntroDipintaGabbia⁵⁸
 1 Everyking⁵⁹
 3 FeanorStar7⁶⁰
 2 Ffranc⁶¹
 1 FlaBot⁶²
 2 Florificapis⁶³
 1 Flosfa⁶⁴
 1 Fractal91⁶⁵
 1 Freakiejason⁶⁶
 2 FrescoBot⁶⁷
 2 GK1973⁶⁸
 2 Gaudio⁶⁹
 1 Gerakibot⁷⁰

46 <https://en.wikipedia.org/w/index.php?title=User:Deweyd8210&action=edit&redlink=1>
 47 <https://en.wikipedia.org/wiki/User:Dewritech>
 48 <https://en.wikipedia.org/wiki/User:Dexbot>
 49 <https://en.wikipedia.org/wiki/User:Dfass>
 50 <https://en.wikipedia.org/wiki/User:Dimadick>
 51 <https://en.wikipedia.org/wiki/User:Dimboukas>
 52 <https://en.wikipedia.org/wiki/User:DraiconeBot>
 53 <https://en.wikipedia.org/wiki/User:Durova>
 54 <https://en.wikipedia.org/wiki/User:Edward321>
 55 <https://en.wikipedia.org/wiki/User:Efrafra>
 56 https://en.wikipedia.org/wiki/User:Elias_Ziade
 57 <https://en.wikipedia.org/wiki/User:EmausBot>
 58 <https://en.wikipedia.org/wiki/User:EntroDipintaGabbia>
 59 <https://en.wikipedia.org/wiki/User:Everyking>
 60 <https://en.wikipedia.org/wiki/User:FeanorStar7>
 61 <https://en.wikipedia.org/wiki/User:Ffranc>
 62 <https://en.wikipedia.org/wiki/User:FlaBot>
 63 <https://en.wikipedia.org/wiki/User:Florificapis>
 64 <https://en.wikipedia.org/wiki/User:Flosfa>
 65 <https://en.wikipedia.org/wiki/User:Fractal91>
 66 <https://en.wikipedia.org/w/index.php?title=User:Freakiejason&action=edit&redlink=1>
 67 <https://en.wikipedia.org/wiki/User:FrescoBot>
 68 <https://en.wikipedia.org/wiki/User:GK1973>
 69 <https://en.wikipedia.org/wiki/User:Gaudio>
 70 <https://en.wikipedia.org/wiki/User:Gerakibot>

1 Girth Summit⁷¹
1 Gloklopit⁷²
1 GoGandhi⁷³
1 GoingBatty⁷⁴
2 Gpvos⁷⁵
1 Graham87⁷⁶
2 GreatWhiteNortherner⁷⁷
1 GreenC⁷⁸
1 GrinBot~enwiki⁷⁹
1 Grisunge⁸⁰
6 HallamMccartney⁸¹
1 Hamilqart⁸²
2 Heanor⁸³
1 Helpful Pixie Bot⁸⁴
2 Hildeoc⁸⁵
1 Hmains⁸⁶
2 Honbicot⁸⁷
1 Hu12⁸⁸
1 Hujaza⁸⁹
2 Hveziris⁹⁰
1 IPSOS⁹¹
1 Ian.thomson⁹²
1 Idioma-bot⁹³
2 InternetArchiveBot⁹⁴
1 Ira Leviton⁹⁵

71 https://en.wikipedia.org/wiki/User:Girth_Summit
72 <https://en.wikipedia.org/wiki/User:Gloklopit>
73 <https://en.wikipedia.org/w/index.php?title=User:GoGandhi&action=edit&redlink=1>
74 <https://en.wikipedia.org/wiki/User:GoingBatty>
75 <https://en.wikipedia.org/wiki/User:Gpvos>
76 <https://en.wikipedia.org/wiki/User:Graham87>
77 <https://en.wikipedia.org/wiki/User:GreatWhiteNortherner>
78 <https://en.wikipedia.org/wiki/User:GreenC>
79 <https://en.wikipedia.org/wiki/User:GrinBot~enwiki>
80 <https://en.wikipedia.org/w/index.php?title=User:Grisunge&action=edit&redlink=1>
81 <https://en.wikipedia.org/w/index.php?title=User:HallamMccartney&action=edit&redlink=1>
82 <https://en.wikipedia.org/w/index.php?title=User:Hamilqart&action=edit&redlink=1>
83 <https://en.wikipedia.org/wiki/User:Heanor>
84 https://en.wikipedia.org/wiki/User:Helpful_Pixie_Bot
85 <https://en.wikipedia.org/wiki/User:Hildeoc>
86 <https://en.wikipedia.org/wiki/User:Hmains>
87 <https://en.wikipedia.org/wiki/User:Honbicot>
88 <https://en.wikipedia.org/wiki/User:Hu12>
89 <https://en.wikipedia.org/wiki/User:Hujaza>
90 <https://en.wikipedia.org/wiki/User:Hveziris>
91 <https://en.wikipedia.org/wiki/User:IPSOS>
92 <https://en.wikipedia.org/wiki/User:Ian.thomson>
93 <https://en.wikipedia.org/wiki/User:Idioma-bot>
94 <https://en.wikipedia.org/wiki/User:InternetArchiveBot>
95 https://en.wikipedia.org/wiki/User:Ira_Leviton

1 Isaidnoway⁹⁶
 1 JAnDbot⁹⁷
 1 JackieBot⁹⁸
 1 Jagged 85⁹⁹
 1 Jasperdoomen¹⁰⁰
 1 Jayjayohno¹⁰¹
 1 Jhholden¹⁰²
 1 Jkelly¹⁰³
 1 John Carter¹⁰⁴
 1 John of Reading¹⁰⁵
 3 Johnbibby¹⁰⁶
 1 Jonathan Stokes¹⁰⁷
 1 Josh3580¹⁰⁸
 3 Juc123¹⁰⁹
 42 Jwhosler¹¹⁰
 2 KasparBot¹¹¹
 1 Katolophyromai¹¹²
 1 Kazvorpal¹¹³
 1 Kenatipo¹¹⁴
 1 Kku¹¹⁵
 2 Kramden¹¹⁶
 1 Kzollman¹¹⁷
 1 Leonidas Metello¹¹⁸
 1 Lightbot¹¹⁹
 3 Livajo¹²⁰

96 <https://en.wikipedia.org/wiki/User:Isaidnoway>
 97 <https://en.wikipedia.org/wiki/User:JAnDbot>
 98 <https://en.wikipedia.org/wiki/User:JackieBot>
 99 https://en.wikipedia.org/wiki/User:Jagged_85
 100 <https://en.wikipedia.org/wiki/User:Jasperdoomen>
 101 <https://en.wikipedia.org/w/index.php?title=User:Jayjayohno&action=edit&redlink=1>
 102 <https://en.wikipedia.org/w/index.php?title=User:Jhholden&action=edit&redlink=1>
 103 <https://en.wikipedia.org/wiki/User:Jkelly>
 104 https://en.wikipedia.org/wiki/User:John_Carter
 105 https://en.wikipedia.org/wiki/User:John_of_Reading
 106 <https://en.wikipedia.org/wiki/User:Johnbibby>
 107 https://en.wikipedia.org/wiki/User:Jonathan_Stokes
 108 <https://en.wikipedia.org/wiki/User:Josh3580>
 109 <https://en.wikipedia.org/w/index.php?title=User:Juc123&action=edit&redlink=1>
 110 <https://en.wikipedia.org/wiki/User:Jwhosler>
 111 <https://en.wikipedia.org/wiki/User:KasparBot>
 112 <https://en.wikipedia.org/wiki/User:Katolophyromai>
 113 <https://en.wikipedia.org/wiki/User:Kazvorpal>
 114 <https://en.wikipedia.org/w/index.php?title=User:Kenatipo&action=edit&redlink=1>
 115 <https://en.wikipedia.org/wiki/User:Kku>
 116 <https://en.wikipedia.org/w/index.php?title=User:Kramden&action=edit&redlink=1>
 117 <https://en.wikipedia.org/wiki/User:Kzollman>
 118 https://en.wikipedia.org/w/index.php?title=User:Leonidas_Metello&action=edit&redlink=1
 119 <https://en.wikipedia.org/wiki/User:Lightbot>
 120 <https://en.wikipedia.org/wiki/User:Livajo>

1 Llywrch¹²¹
1 LordAnubisBOT¹²²
8 LoveMonkey¹²³
2 Luckas-bot¹²⁴
2 Lung salad¹²⁵
1 M-le-mot-dit¹²⁶
4 MWahaiibii¹²⁷
1 Maczkopeti¹²⁸
1 Magic links bot¹²⁹
1 Mark Ironie¹³⁰
1 Martin451¹³¹
1 MastiBot¹³²
1 Mdanaher¹³³
2 Mdmcginn¹³⁴
1 Megalodon34¹³⁵
1 Mel Etitis¹³⁶
1 Michael Hardy¹³⁷
1 Michaelbusch¹³⁸
1 Mickwilson20¹³⁹
2 Mike Rosoft¹⁴⁰
1 MilitaryTarget¹⁴¹
4 Mirv¹⁴²
1 Mladifilozof¹⁴³
1 MondalorBot¹⁴⁴
2 Monkbot¹⁴⁵

121 <https://en.wikipedia.org/wiki/User:Llywrch>
122 <https://en.wikipedia.org/wiki/User:LordAnubisBOT>
123 <https://en.wikipedia.org/wiki/User:LoveMonkey>
124 <https://en.wikipedia.org/wiki/User:Luckas-bot>
125 https://en.wikipedia.org/wiki/User:Lung_salad
126 <https://en.wikipedia.org/wiki/User:M-le-mot-dit>
127 <https://en.wikipedia.org/wiki/User:MWahaiibii>
128 <https://en.wikipedia.org/w/index.php?3ftitle=User:Maczkopeti&action=edit&redlink=1>
129 https://en.wikipedia.org/wiki/User:Magic_links_bot
130 https://en.wikipedia.org/wiki/User:Mark_Ironie
131 <https://en.wikipedia.org/wiki/User:Martin451>
132 <https://en.wikipedia.org/wiki/User:MastiBot>
133 <https://en.wikipedia.org/wiki/User:Mdanaher>
134 <https://en.wikipedia.org/wiki/User:Mdmcginn>
135 <https://en.wikipedia.org/w/index.php?3ftitle=User:Megalodon34&action=edit&redlink=1>
136 https://en.wikipedia.org/wiki/User:Mel_Etitis
137 https://en.wikipedia.org/wiki/User:Michael_Hardy
138 <https://en.wikipedia.org/wiki/User:Michaelbusch>
139 <https://en.wikipedia.org/w/index.php?3ftitle=User:Mickwilson20&action=edit&redlink=1>
140 https://en.wikipedia.org/wiki/User:Mike_Rosoft
141 <https://en.wikipedia.org/w/index.php?3ftitle=User:MilitaryTarget&action=edit&redlink=1>
142 <https://en.wikipedia.org/wiki/User:Mirv>
143 <https://en.wikipedia.org/wiki/User:Mladifilozof>
144 <https://en.wikipedia.org/wiki/User:MondalorBot>
145 <https://en.wikipedia.org/wiki/User:Monkbot>

- 1 MrJones¹⁴⁶
- 1 Muslim-Researcher¹⁴⁷
- 1 MystBot¹⁴⁸
- 1 NTBot~enwiki¹⁴⁹
- 1 Napalatt¹⁵⁰
- 1 Nngnna¹⁵¹
- 3 Notque¹⁵²
- 1 Nxavar¹⁵³
- 3 Ocanter¹⁵⁴
- 28 Omnipaedista¹⁵⁵
- 12 Ontoraul¹⁵⁶
- 1 Oxford73¹⁵⁷
- 1 PBS-AWB¹⁵⁸
- 2 Per Honor et Gloria¹⁵⁹
- 1 Peter1c¹⁶⁰
- 5 Pmanderson¹⁶¹
- 4 Prosfilaes¹⁶²
- 1 Quadell¹⁶³
- 1 QuartierLatin1968¹⁶⁴
- 1 Rainwaterfall¹⁶⁵
- 1 RandomCritic¹⁶⁶
- 4 Rasnaboy¹⁶⁷
- 2 Redhat101¹⁶⁸
- 2 Rich Farmbrough¹⁶⁹
- 1 Rjwilmsi¹⁷⁰

-
- 146 <https://en.wikipedia.org/wiki/User:MrJones>
 - 147 <https://en.wikipedia.org/w/index.php?title=User:Muslim-Researcher&action=edit&redlink=1>
 - 148 <https://en.wikipedia.org/wiki/User:MystBot>
 - 149 <https://en.wikipedia.org/wiki/User:NTBot~enwiki>
 - 150 <https://en.wikipedia.org/w/index.php?title=User:Napalatt&action=edit&redlink=1>
 - 151 <https://en.wikipedia.org/w/index.php?title=User:Nngnna&action=edit&redlink=1>
 - 152 <https://en.wikipedia.org/wiki/User:Notque>
 - 153 <https://en.wikipedia.org/w/index.php?title=User:Nxavar&action=edit&redlink=1>
 - 154 <https://en.wikipedia.org/wiki/User:Ocanter>
 - 155 <https://en.wikipedia.org/wiki/User:Omnipaedista>
 - 156 <https://en.wikipedia.org/wiki/User:Ontoraul>
 - 157 <https://en.wikipedia.org/wiki/User:Oxford73>
 - 158 <https://en.wikipedia.org/wiki/User:PBS-AWB>
 - 159 https://en.wikipedia.org/wiki/User:Per_Honor_et_Gloria
 - 160 <https://en.wikipedia.org/wiki/User:Peter1c>
 - 161 <https://en.wikipedia.org/wiki/User:Pmanderson>
 - 162 <https://en.wikipedia.org/wiki/User:Prosfilaes>
 - 163 <https://en.wikipedia.org/wiki/User:Quadell>
 - 164 <https://en.wikipedia.org/wiki/User:QuartierLatin1968>
 - 165 <https://en.wikipedia.org/wiki/User:Rainwaterfall>
 - 166 <https://en.wikipedia.org/wiki/User:RandomCritic>
 - 167 <https://en.wikipedia.org/wiki/User:Rasnaboy>
 - 168 <https://en.wikipedia.org/wiki/User:Redhat101>
 - 169 https://en.wikipedia.org/wiki/User:Rich_Farmbrough
 - 170 <https://en.wikipedia.org/wiki/User:Rjwilmsi>

1 RjwilmsiBot¹⁷¹
1 RlyehRising¹⁷²
1 Robbot¹⁷³
7 Roger Pearse¹⁷⁴
2 RoyBurtonson¹⁷⁵
2 Royal Aegis¹⁷⁶
1 Rubinbot¹⁷⁷
1 Rursus¹⁷⁸
1 RussBot¹⁷⁹
1 Sacerdos solis¹⁸⁰
1 Sam Hocevar¹⁸¹
2 Schoen¹⁸²
1 SchreiberBike¹⁸³
2 Selfworm¹⁸⁴
1 Ser be etre shi¹⁸⁵
1 Sheherazahde¹⁸⁶
1 SieBot¹⁸⁷
3 Singinglemon~enwiki¹⁸⁸
1 Sla019¹⁸⁹
2 SoSivr¹⁹⁰
2 Sshadow¹⁹¹
1 Stevensaylor¹⁹²
1 Stinssd¹⁹³
1 Str1977¹⁹⁴
1 Sun Creator¹⁹⁵

171 <https://en.wikipedia.org/wiki/User:RjwilmsiBot>
172 <https://en.wikipedia.org/wiki/User:RlyehRising>
173 <https://en.wikipedia.org/wiki/User:Robbot>
174 https://en.wikipedia.org/wiki/User:Roger_Pearse
175 <https://en.wikipedia.org/wiki/User:RoyBurtonson>
176 https://en.wikipedia.org/w/index.php?3ftitle=User:Royal_Aegis&action=edit&redlink=1
177 <https://en.wikipedia.org/wiki/User:Rubinbot>
178 <https://en.wikipedia.org/wiki/User:Rursus>
179 <https://en.wikipedia.org/wiki/User:RussBot>
180 https://en.wikipedia.org/w/index.php?3ftitle=User:Sacerdos_solis&action=edit&redlink=1
181 https://en.wikipedia.org/wiki/User:Sam_Hocevar
182 <https://en.wikipedia.org/wiki/User:Schoen>
183 <https://en.wikipedia.org/wiki/User:SchreiberBike>
184 <https://en.wikipedia.org/wiki/User:Selfworm>
185 https://en.wikipedia.org/wiki/User:Ser_be_etre_shi
186 <https://en.wikipedia.org/wiki/User:Sheherazahde>
187 <https://en.wikipedia.org/wiki/User:SieBot>
188 <https://en.wikipedia.org/wiki/User:Singinglemon~enwiki>
189 <https://en.wikipedia.org/w/index.php?3ftitle=User:Sla019&action=edit&redlink=1>
190 <https://en.wikipedia.org/wiki/User:SoSivr>
191 <https://en.wikipedia.org/wiki/User:Sshadow>
192 <https://en.wikipedia.org/w/index.php?3ftitle=User:Stevensaylor&action=edit&redlink=1>
193 <https://en.wikipedia.org/w/index.php?3ftitle=User:Stinssd&action=edit&redlink=1>
194 <https://en.wikipedia.org/wiki/User:Str1977>
195 https://en.wikipedia.org/wiki/User:Sun_Creator

-
- 2 Suzels¹⁹⁶
 - 1 T of Locri¹⁹⁷
 - 1 TXiKiBoT¹⁹⁸
 - 2 Tadorne¹⁹⁹
 - 1 Tajotep²⁰⁰
 - 6 Tariq afflaq²⁰¹
 - 8 Teishin²⁰²
 - 1 Terrek²⁰³
 - 1 Tgeorgescu²⁰⁴
 - 1 Tomisti²⁰⁵
 - 1 Trinirma²⁰⁶
 - 1 Txomin²⁰⁷
 - 1 VIAFbot²⁰⁸
 - 2 Vahagn Petrosyan²⁰⁹
 - 1 Viriditas²¹⁰
 - 2 VivaEmilyDavies²¹¹
 - 1 WANAX²¹²
 - 1 Waacstats²¹³
 - 2 Wareh²¹⁴
 - 6 Waynejayes²¹⁵
 - 6 Wetman²¹⁶
 - 3 Wfgh66²¹⁷
 - 1 Widefox²¹⁸
 - 1 WikiCleanerBot²¹⁹
 - 1 WikitanvirBot²²⁰

-
- 196 <https://en.wikipedia.org/w/index.php?title=User:Suzels&action=edit&redlink=1>
 - 197 https://en.wikipedia.org/w/index.php?title=User:T_of_Locri&action=edit&redlink=1
 - 198 <https://en.wikipedia.org/wiki/User:TXiKiBoT>
 - 199 <https://en.wikipedia.org/wiki/User:Tadorne>
 - 200 <https://en.wikipedia.org/wiki/User:Tajotep>
 - 201 https://en.wikipedia.org/wiki/User:Tariq_afflaq
 - 202 <https://en.wikipedia.org/wiki/User:Teishin>
 - 203 <https://en.wikipedia.org/wiki/User:Terrek>
 - 204 <https://en.wikipedia.org/wiki/User:Tgeorgescu>
 - 205 <https://en.wikipedia.org/wiki/User:Tomisti>
 - 206 <https://en.wikipedia.org/wiki/User:Trinirma>
 - 207 <https://en.wikipedia.org/wiki/User:Txomin>
 - 208 <https://en.wikipedia.org/wiki/User:VIAFbot>
 - 209 https://en.wikipedia.org/wiki/User:Vahagn_Petrosyan
 - 210 <https://en.wikipedia.org/wiki/User:Viriditas>
 - 211 <https://en.wikipedia.org/wiki/User:VivaEmilyDavies>
 - 212 <https://en.wikipedia.org/wiki/User:WANAX>
 - 213 <https://en.wikipedia.org/wiki/User:Waacstats>
 - 214 <https://en.wikipedia.org/wiki/User:Wareh>
 - 215 <https://en.wikipedia.org/wiki/User:Waynejayes>
 - 216 <https://en.wikipedia.org/wiki/User:Wetman>
 - 217 <https://en.wikipedia.org/w/index.php?title=User:Wfgh66&action=edit&redlink=1>
 - 218 <https://en.wikipedia.org/wiki/User:Widefox>
 - 219 <https://en.wikipedia.org/wiki/User:WikiCleanerBot>
 - 220 <https://en.wikipedia.org/wiki/User:WikitanvirBot>

3 Xqbot²²¹
1 Yabroq²²²
2 Yamara²²³
5 Ymblanter²²⁴
2 Yobot²²⁵
6 Yunuswesley²²⁶
5 YurikBot²²⁷
1 Zachariel²²⁸
1 Zafiroblue05²²⁹
2 Zeusnoos²³⁰
1 Zuiddam²³¹
2 ZéroBot²³²
1 Αστρον²³³
1 ΔΠ²³⁴
1 ☐☐☐☐☐²³⁵

221 <https://en.wikipedia.org/wiki/User:Xqbot>
222 <https://en.wikipedia.org/wiki/User:Yabroq>
223 <https://en.wikipedia.org/wiki/User:Yamara>
224 <https://en.wikipedia.org/wiki/User:Ymblanter>
225 <https://en.wikipedia.org/wiki/User:Yobot>
226 <https://en.wikipedia.org/wiki/User:Yunuswesley>
227 <https://en.wikipedia.org/wiki/User:YurikBot>
228 <https://en.wikipedia.org/wiki/User:Zachariel>
229 <https://en.wikipedia.org/wiki/User:Zafiroblue05>
230 <https://en.wikipedia.org/wiki/User:Zeusnoos>
231 <https://en.wikipedia.org/wiki/User:Zuiddam>
232 <https://en.wikipedia.org/wiki/User:Z%25C3%25A9roBot>
233 <https://en.wikipedia.org/w/index.php?3ftitle=User:%25CE%2586%25CF%2583%25CF%2584%25CF%2581%25CE%25BF%25CE%25BD&action=edit&redlink=1>
234 <https://en.wikipedia.org/w/index.php?3ftitle=User:%25D0%2594%25D0%259F&action=edit&redlink=1>
235 [https://en.wikipedia.org/wiki/User:%25E3%2581%258B%25E3%2581%25AD%25E3%2581%2581%25A0%25E3%2581%2582%25E3%2581%2584](https://en.wikipedia.org/wiki/User:%25E3%2581%258B%25E3%2581%25AD%25E3%2581%25A0%25E3%2581%2582%25E3%2581%2584)

List of Figures

- GFDL: Gnu Free Documentation License. <http://www.gnu.org/licenses/fdl.html>
- cc-by-sa-3.0: Creative Commons Attribution ShareAlike 3.0 License. <http://creativecommons.org/licenses/by-sa/3.0/>
- cc-by-sa-2.5: Creative Commons Attribution ShareAlike 2.5 License. <http://creativecommons.org/licenses/by-sa/2.5/>
- cc-by-sa-2.0: Creative Commons Attribution ShareAlike 2.0 License. <http://creativecommons.org/licenses/by-sa/2.0/>
- cc-by-sa-1.0: Creative Commons Attribution ShareAlike 1.0 License. <http://creativecommons.org/licenses/by-sa/1.0/>
- cc-by-2.0: Creative Commons Attribution 2.0 License. <http://creativecommons.org/licenses/by/2.0/>
- cc-by-2.0: Creative Commons Attribution 2.0 License. <http://creativecommons.org/licenses/by/2.0/deed.en>
- cc-by-2.5: Creative Commons Attribution 2.5 License. <http://creativecommons.org/licenses/by/2.5/deed.en>
- cc-by-3.0: Creative Commons Attribution 3.0 License. <http://creativecommons.org/licenses/by/3.0/deed.en>
- GPL: GNU General Public License. <http://www.gnu.org/licenses/gpl-2.0.txt>
- LGPL: GNU Lesser General Public License. <http://www.gnu.org/licenses/lgpl.html>
- PD: This image is in the public domain.
- ATTR: The copyright holder of this file allows anyone to use it for any purpose, provided that the copyright holder is properly attributed. Redistribution, derivative work, commercial use, and all other use is permitted.
- EURO: This is the common (reverse) face of a euro coin. The copyright on the design of the common face of the euro coins belongs to the European Commission. Authorised is reproduction in a format without relief (drawings, paintings, films) provided they are not detrimental to the image of the euro.
- LFK: Lizenz Freie Kunst. <http://artlibre.org/licence/lal/de>
- CFR: Copyright free use.

- EPL: Eclipse Public License. <http://www.eclipse.org/org/documents/epl-v10.php>

Copies of the GPL, the LGPL as well as a GFDL are included in chapter Licenses²³⁶. Please note that images in the public domain do not require attribution. You may click on the image numbers in the following table to open the webpage of the images in your webbrowser.

236 Chapter 3 on page 35

1	Monfredo de Monte Imperiali	
2	Ymblanter ²³⁷ , Ymblanter ²³⁸	
3	Reidab ²³⁹ , Grunt ²⁴⁰ , 3247 ²⁴¹ , Pumbaa ²⁴² , Anomie, Callanecc, CambridgeBayWeather, JJMC89, Jo-Jo Eumerus, RHaworth	
4	ChrisiPK, Guillom, INeverCry, Jarekt, JuTa, Leyo, Lokal Profil, MichaelMaggs, NielsF, Rei-artur, Rocket000, Romaine, Ruthven, Steinsplitter	
5	ChrisiPK, Guillom, INeverCry, Jarekt, JuTa, Leyo, Lokal Profil, MichaelMaggs, NielsF, Rei-artur, Rocket000, Romaine, Ruthven, Steinsplitter	
6	Rei-artur ²⁴³ , Rei-artur ²⁴⁴	

237 <http://commons.wikimedia.org/wiki/User:Ymblanter>

238 <https://commons.wikimedia.org/wiki/User:Ymblanter>

239 <https://meta.wikimedia.org/wiki/User:Reidab>

240 <https://commons.wikimedia.org/w/index.php?title=User:Grunt&action=edit&redlink=1>

241 <https://commons.wikimedia.org/wiki/User:3247>

242 <https://commons.wikimedia.org/wiki/User:Pumbaa80>

243 <http://commons.wikimedia.org/wiki/User:Rei-artur>

3 Licenses

3.1 GNU GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. Preamble

The GNU General Public License is a free, copyleft license for software and other kinds of works.

The licenses for most software and other practical works are designed to take away your freedom to share and change the works. By contrast, the GNU General Public License is intended to guarantee your freedom to share and change all versions of a program—to make sure it remains free software for all its users. We, the Free Software Foundation, use the GNU General Public License for most of our software; it applies also to any other work released this way by its authors. You can apply it to your programs, too.

When we speak of free software, we are referring to freedom, not price. Our General Public Licenses are designed to make sure that you have the freedom to distribute copies of free software (and charge for them if you wish), that you receive source code or can get it if you want it, that you can change the software or use pieces of it in new free programs, and that you know you can do these things.

To protect your rights, we need to prevent others from denying you these rights or asking you to surrender the rights. Therefore, you have certain responsibilities if you distribute copies of the software, or if you modify it: responsibilities to respect the freedom of others.

For example, if you distribute copies of such a program, whether gratis or for a fee, you must pass on to the recipients the same freedoms that you received. You must make sure that they, too, receive or can get the source code. And you must show them these terms so they know their rights.

Developers that use the GNU GPL protect your rights with two steps: (1) assert copyright on the software, and (2) offer you this License giving you legal permission to copy, distribute and/or modify it.

For the developers' and authors' protection, the GPL clearly explains that there is no warranty for this free software. For both users' and authors' sake, the GPL requires that modified versions be marked as changed, so that their problems will not be attributed erroneously to authors of previous versions.

Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow. TERMS AND CONDITIONS S. Definitions.

"This License" refers to version 3 of the GNU General Public License.

"Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

"The Program" refers to any copyrighted work licensed under this License. Each licensee is addressed as "you". "Licenses" and "recipients" may be individuals or organizations.

To "modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a "modified version" of the earlier work or a work "based on" the earlier work.

A "covered work" means either the unmodified Program or a work based on the Program.

To "propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (of or without modification), making available to the public, and in some countries other activities as well.

To "convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays "Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu or prominent item in the list menu, this criterion. 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The "System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable the use of the work with that Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work. 2. Basic Permissions.

All rights granted under this License are granted for the term of copyright on the Program, and are irrevocable provided the stated conditions are met. This License explicitly affirms your unlimited permission to run the unmodified Program. The output from running a covered work is covered by this License only if the output, given its content, constitutes a covered work. This License acknowledges your rights of fair use or other equivalent, as provided by copyright law.

You may make, run and propagate covered works that you do not conve, without conditions so long as your license otherwise remains in force. You may convey covered works to others for the sole purpose of having them make modifications exclusively for you, or provide you with facilities for running those works, provided that you comply with the terms of this License in conveying all material for which you do not control copyright. Those thus making or running the covered works for you must do so exclusively on your behalf, under your direction and control, on terms that prohibit them from making any copies of your copyrighted material outside their relationship with you.

Conveying under any other circumstances is permitted solely under the conditions stated below. Sublicensing is not allowed; section 10 makes it unnecessary. 3. Protecting Users' Legal Rights From Anti-Circumvention Law.

No covered work shall be deemed part of an effective technological measure under any applicable law fulfilling obligations under article 11 of the WIPO copyright treaty adopted on 20 December 1996, or similar laws prohibiting or restricting circumvention of such measures.

When you convey a covered work, you waive any legal power to forbid circumvention of technological measures to the extent such circumvention is effected by exercising rights under this License with respect to the covered work, and you disclaim any intent to limit operation or modification of the work as a means of enforcing, against the work's users, your or third parties' legal rights to forbid circumvention of technological measures. 4. Conveying Verbatim Copies.

You may convey verbatim copies of the Program's source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an appropriate copyright notice; keep intact all notices stating that this License and any non-permissive terms added in accord with section 7 apply to the code; keep intact all notices of the absence of any warranty; and give all recipients a copy of this License along with the Program.

You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee. 5. Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

* a) The work must carry prominent notices stating that you modified it, and giving a relevant date. * b) The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to "keep intact all notices". * c) You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they were packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it. * d) If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, or in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate. 6. Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

* a) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange. * b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveyance of source, or (2) access to copy the Corresponding Source from a network server at no charge. * c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b. * d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the object code is a network server, the Corresponding Source may be on a

different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements. * e) Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

"Installation Information" for a Use Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying. 7. Additional Terms.

"Additional permissions" are terms that supplement the terms of this License by making exceptions from one or more of its conditions. Additional permissions that are applicable to the entire Program shall be treated as though they were included in this License, to the extent that they are valid under applicable law. If additional permissions apply only to part of the Program, that part may be used separately under those permissions, but the entire Program remains governed by this License without regard to the additional permissions.

When you convey a copy of a covered work, you may at your option remove any additional permissions from that copy, or from any part of it. (Additional permissions may be written to require their own removal in certain cases when you modify the work.) You may place additional permissions on material, added by you to a covered work, for which you have or can give appropriate copyright permission.

Notwithstanding any other provision of this License, for material you add to a covered work, you may (if authorized by the copyright holders of that material) supplement the terms of this License with terms:

* a) Disclaiming warranty or limiting liability differently from the terms of sections 15 and 16 of this License; or * b) Requiring preservation of specified reasonable legal notices or author attributions in that material or in the Appropriate Legal Notices displayed by works containing it; or * c) Prohibiting misrepresentation of the origin of that material, or requiring that modified versions of such material be marked in reasonable ways as different from the original version; or * d) Limiting the use for publicity purposes of names of licensors or authors of the material; or * e) Declining to grant rights under trademark law for use of some trade names, trademarks, or service marks; or * f) Requiring indemnification of licensors and authors of that material by anyone who conveys the material (or modified versions of it) with contractual assumptions of liability to the recipient, for any liability that these contractual assumptions directly impose on those licensors and authors.

All other non-permissive additional terms are considered "further restrictions" within the meaning of section 10. If the Program as you received it, or any part of it, contains a notice stating that it is governed by this License along with a term that is a further restriction, you may remove that term. If a license document contains a further restriction but permits relicensing or conveying under this License, then add to a covered work material governed by the terms of that license document, provided that the further restriction does not survive such relicensing or conveying.

If you add terms to a covered work in accord with this section, you must place, in the relevant source files, a statement of the additional terms that apply to those files, or a notice indicating where to find the applicable terms.

Additional terms, permissive or non-permissive, may be stated in the form of a separately written license, or stated as exceptions; the above requirements apply either way. 8. Termination.

You may not propagate or modify a covered work except as expressly provided under this License. Any attempt otherwise to propagate or modify it is void, and will automatically terminate your rights under this License (including any patent licenses granted under the third paragraph of section 11).

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates

your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the rights of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, you do not qualify to receive new licenses for the same material under section 10. 9. Acceptance Not Required for Having Copies.

You are not required to accept this License in order to receive or run a copy of the Program. Ancillary propagation of a covered work occurring solely as a consequence of using peer-to-peer transmission to receive a copy likewise does not require acceptance. However, nothing other than this License grants you permission to propagate or modify any covered work. These actions infringe copyright if you do not accept this License. Therefore, by modifying or propagating a covered work, you indicate your acceptance of this License to do so. 10. Automatic Licensing of Downstream Recipients.

Each time you convey a covered work, the recipient automatically receives a license from the original licensors, to run, modify and propagate that work, subject to this license. You are not responsible for enforcing compliance by third parties with this license.

An "entity transaction" is a transaction transferring control of an organization, or substantially all assets of one, or subdividing an organization, or merging organizations. If propagation of a covered work results from an entity transaction, each party to that transaction who receives a copy of the work also receives whatever licenses to the work the party's predecessor in interest had or could give under the previous paragraph, plus a right to possession of the Corresponding Source of the work from the predecessor in interest, if the predecessor has it or can get it with reasonable efforts.

You may not impose any further restrictions on the exercise of the rights granted or affirmed under this License. For example, you may not impose a license fee, royalty, or other charge for exercise of rights granted under this License, and you may not initiate litigation (including a cross-claim or counterclaim in a lawsuit) alleging that any patent claim is infringed by making, using, selling, offering for sale, or importing the Program or any portion of it. 11. Patents.

A "contributor" is a copyright holder who authorizes use under this License of the Program or a work on which the Program is based. The work thus licensed is called the contributor's "contributor version".

A contributor's "essential patent claims" are all patent claims owned or controlled by the contributor, whether already acquired or hereafter acquired, that would be infringed by some manner, permitted by this License, of making, using, or selling its contributor version. It do not include claims that would be infringed only as a consequence of further modification of the contributor version. For purposes of this definition, "control" includes the right to grant patent sublicenses in a manner consistent with the requirements of this License.

Each contributor grants you a non-exclusive, worldwide, royalty-free patent license under the contributor's essential patent claims, to make, use, sell, offer for sale, import and otherwise run, modify and propagate the contents of its contributor version.

In the following three paragraphs, a "patent license" is any express agreement or commitment, however denominated, not to enforce a patent (such as an express permission to practice a patent or covenant not to sue for patent infringement). To "grant" such a patent license to a party means to make such an agreement or commitment not to enforce a patent against the party.

If you convey a covered work, knowingly relying on a patent license, and the Corresponding Source of the work is not available for anyone to copy, free of charge and under the terms of this License, through a publicly available network server or other readily accessible means, then you must either (1) cause the Corresponding Source to be so available, or (2) arrange to deprive yourself of the benefit of the patent license for this particular work, or (3) arrange, in a manner consistent with the requirements of this License, to extend the patent license to downstream recipients. "Knowingly relying" means you have actual knowledge that, but for the patent license, your conveying the covered work in a country, or your recipient's use of the covered work in a country, would infringe one or more identifiable patents in that country that you have reason to believe are valid.

If, pursuant to or in connection with a single transaction or arrangement, you convey, or propagate by procuring conveyance of, a covered work, and grant a patent license to some of the recipients of the covered work authorizing them to use, propagate, modify or convey a specific copy of the covered work to you, then the patent license you grant is automatically extended to all recipients of the covered work and works based on it.

A patent license is "discriminatory" if it does not include within the scope of its coverage, prohibits the exercise of, or is conditioned on the non-exercise of one or more of the rights that are specifically granted under this License. You may not convey a covered work if you are a party to an arrangement with a third party that is in the business of distributing software, under which you make payment to the third party based on the extent of your activity of conveying the work, and under which the third party grants, to any of the parties who would receive the covered work from you, a discriminatory patent license (a) in connection with copies of the covered work conveyed by you (or copies made from those copies), or (b) primarily for and in connection with specific products or compilations that contain the covered work, unless you entered into that arrangement, or that patent license was granted, prior to 28 March 2007.

Nothing in this License shall be construed as excluding or limiting any implied license or other defenses to infringement that may otherwise be available to you under applicable patent law. 12. No Surrender of Others' Freedom.

If conditions are imposed on you (whether by court order, agreement or otherwise) that contradict the conditions of this License, if you cannot excuse yourself from the conditions of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates

both those terms and this License would be to refrain entirely from conveying the Program. 13. Use with the GNU Affero General Public License.

Notwithstanding any other provision of this License, you have permission to link or combine any covered work with a work licensed under version 3 of the GNU Affero General Public License into a single combined work, and to convey the resulting work. The terms of this License will continue to apply to the part which is the covered work, but the special requirements of the GNU Affero General Public License, section 13, concerning interaction through a network will apply to the combination as such. 14. Revised Versions of this License.

The Free Software Foundation may publish revised and/or new versions of the GNU General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Program specifies that a certain numbered version of the GNU General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that numbered version or of any later version published by the Free Software Foundation. If the Program does not specify a version number of the GNU General Public License, you may choose any version ever published by the Free Software Foundation.

If the Program specifies that a proxy can decide which future versions of the GNU General Public License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Program.

3.2 GNU Free Documentation License

Version 1.3, 3 November 2008

Copyright © 2000, 2001, 2002, 2007, 2008 Free Software Foundation, Inc. <http://fsf.org/>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed. 0. PREAMBLE

The purpose of this License is to make a manual, textbook, or other functional and useful document "free" in the sense of freedom: to assure everyone the effective freedom to copy and redistribute it, with or without modifying it, either commercially or noncommercially. Secondly, this License preserves for the author and publisher a way to get credit for their work, while not being considered responsible for modifications made by others.

This License is a kind of "copyleft", which means that derivative works of the document must themselves be free in the same sense. It complements the GNU General Public License, which is a copyleft license designed for free software.

We have designed this License in order to use it for manuals for free software, because free software needs documentation: a free program should come with manuals providing the same freedoms that the software does. But this License is not limited to software manuals; it can be used for any textual work, regardless of subject matter or whether it is published as a printed book. We recommend this License principally for works whose purpose is instruction or reference.

1. APPLICABILITY AND DEFINITIONS

This License applies to any manual or other work, in any medium, that contains a notice placed by the copyright holder saying it can be distributed under the terms of this License. Such a notice grants a world-wide, royalty-free license, unlimited in duration, to use that work under the conditions stated herein. The "Document", below, refers to any such manual or work. Any member of the public is a licensee, and is addressed as "you". You accept the license if you copy, modify, or redistribute the work in a way requiring permission under copyright law.

A "Modified Version" of the Document means any work containing the Document or a portion of it, either copied verbatim, or with modifications and/or translated into another language.

A "Secondary Section" is a named appendix or a front-matter section of the Document that deals exclusively with the relationship of the publishers or authors of the Document to the Document's overall subject (or to related matters) and contains nothing that could fall directly within that overall subject. (Thus, if the Document is in part a textbook of mathematics, a Secondary Section may not explain any mathematics.) The relationship could be a matter of historical connection with the subject or with related matters, or of legal, commercial, philosophical, ethical or political position regarding them.

The "Invariant Sections" are certain Secondary Sections whose titles are designated, as being those of Invariant Sections, in the notice that says that the Document is released under this License. If a section does not fit the above definition of Secondary it is not allowed to be designated as Invariant. The Document may contain zero Invariant Sections. If the Document does not identify any Invariant Sections then there are none.

The "Cover Texts" are certain short passages of text that are listed, as Front-Cover Texts or Back-Cover Texts, in the notice that says that the Document is released under this License. A Front-Cover Text may be at most 5 words, and a Back-Cover Text may be at most 25 words.

A "Transparent" copy of the Document means a machine-readable copy, represented in a format whose specification is available to the general public, that is suitable for revising the document straightforwardly with generic text editors or (for drawings) some widely available drawing editor, and that is suitable for input to text formatters or for automatic translation to a variety of formats suitable for input to text formatters. A copy made in an otherwise transparent file format whose markup, or absence of markup, has been arranged to thwart or discourage subsequent modification by readers is not Transparent. An image format that is not Transparent if used for any substantial amount of text. A copy that is not "Transparent" is called "Opaque".

Examples of suitable formats for Transparent copies include plain ASCII without markup, Texinfo input format, L^AT_EX input format, SGML or XML using a publicly available DTD, and standard-conforming simple HTML, PostScript or PDF designed for human modification. Examples of transparent image formats include PNG, XCF and JPG. Opaque formats include proprietary formats that can be read and edited only by proprietary word processors, SGML or XML for which the DTD and/or processing tools are not generally available, and the machine-generated HTML, PostScript or PDF produced by some word processors for output purposes only.

The "Title Page" means, for a printed book, the title page itself, plus such following pages as are needed to hold, legibly, the material this License requires to appear in the title page. For works in formats which do not have any title page as such, "Title Page" means the text near the most prominent appearance of the work's title, preceding the beginning of the body of the text.

The "publisher" means any person or entity that distributes copies of the Document to the public.

A section "Entitled XYZ" means a named subunit of the Document whose title either is precisely XYZ or contains XYZ in parentheses

Later license versions may give you additional or different permissions. However, no additional obligations are imposed on any author or copyright holder as a result of your choosing to follow a later version. 15. Disclaimer of Warranty.

THERE IS NO WARRANTY FOR THE PROGRAM, TO THE EXTENT PERMITTED BY APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAM "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE OF THE PROGRAM IS WITH YOU. SHOULD THE PROGRAM PROVE DEFECTIVE, YOU ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION. 16. Limitation of Liability.

IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MODIFIES AND/OR CONVEYS THE PROGRAM AS PERMITTED ABOVE, BE LIABLE TO YOU FOR DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAM (INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF THE PROGRAM TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. 17. Interpretation of Sections 15 and 16.

If the disclaimer of warranty and limitation of liability provided above cannot be given legal effect according to their terms, reviewing courts shall apply local law that most closely approximates an absolute waiver of all civil liability in connection with the Program, unless a warranty or assumption of liability accompanies a copy of the Program in return for a fee.

END OF TERMS AND CONDITIONS How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to the public, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively state the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the program's name and a brief idea of what it does.>

Copyright (C) <year> <name of author>

This program is free software: you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation, either version 3 of the License, or (at your option) any later version.

This program is distributed in the hope that it will be useful, but WITHOUT ANY WARRANTY; without even the implied warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU General Public License for more details.

You should have received a copy of the GNU General Public License along with this program. If not, see <http://www.gnu.org/licenses/>.

Also add information on how to contact you by electronic and paper mail.

If the program does terminal interaction, make it output a short notice like this when it starts in an interactive mode:

<program> Copyright (C) <year> <name of author> This program comes with ABSOLUTELY NO WARRANTY; for details type 'show w'. This is free software, and you are welcome to redistribute it under certain conditions; type 'show c' for details.

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, your program's commands might be different; for a GUI interface, you would use something like an "about box".

You should also get your employer (if you work as a programmer) or school, if any, to sign a "copyright disclaimer" for the program, if necessary. For more information on this, and how to apply and follow the GNU GPL, see <http://www.gnu.org/licenses/>.

The GNU General Public License does not permit incorporating your program into proprietary programs. If your program is a subroutine library, you may consider it more useful to permit linking proprietary applications with the library. If this is what you want to do, use the GNU Lesser General Public License instead of this License. But first, please read <http://www.gnu.org/philosophy/why-not-lGPL.html>.

(section 1) will typically require changing the actual title. 9. TERMINATION

You may not copy, modify, sublicense, or distribute the Document except as expressly provided under this License. Any attempt otherwise to copy, modify, sublicense, or distribute it is void, and will automatically terminate your rights under this License.

However, if you cease all violation of this License, then your license from a particular copyright holder is reinstated (a) provisionally, unless and until the copyright holder explicitly and finally terminates your license, and (b) permanently, if the copyright holder fails to notify you of the violation by some reasonable means prior to 60 days after the cessation.

Moreover, your license from a particular copyright holder is reinstated permanently if the copyright holder notifies you of the violation by some reasonable means, this is the first time you have received notice of violation of this License (for any work) from that copyright holder, and you cure the violation prior to 30 days after your receipt of the notice.

Termination of your rights under this section does not terminate the licenses of parties who have received copies or rights from you under this License. If your rights have been terminated and not permanently reinstated, receipt of a copy of some or all of the same material does not give you any rights to use it. 10. FUTURE REVISIONS OF THIS LICENSE

The Free Software Foundation may publish new, revised versions of the GNU Free Documentation License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns. See <http://www.gnu.org/copyleft/>.

Each version of the License is given a distinguishing version number. If the Document specifies that a particular numbered version of this License "or any later version" applies to it, you have the option of following the terms and conditions either of that specified version or of any later version that has been published (not as a draft) by the Free Software Foundation. If the Document does not specify a version number of this License, you may choose any version ever published (not as a draft) by the Free Software Foundation. If the Document specifies that a proxy can decide which future versions of this License can be used, that proxy's public statement of acceptance of a version permanently authorizes you to choose that version for the Document.

11. RELICENSING

"Massive Multiauthor Collaboration Site" (or "MMC Site") means any World Wide Web server that publishes copyrighted works and also provides prominent facilities for anybody to edit those works. A public wiki that anybody can edit is an example of such a server. A "Massive Multiauthor Collaboration" (or "MMC") contained in the site means any set of copyrighted works thus published on the MMC site.

"CC-BY-SA" means the Creative Commons Attribution-Share Alike 3.0 license published by Creative Commons Corporation, a not-for-profit corporation with a principal place of business in San Francisco, California, as well as future copyleft versions of that license published by that same organization.

"Incorporate" means to publish or republish a Document, in whole or in part, as part of another Document.

An MMC is "eligible for relicensing" if it is licensed under this License and if all works that were first published under this License somewhere other than that MMC, and subsequently incorporated in whole or in part into the MMC, (1) had no cover texts or invariant sections, and (2) were thus incorporated prior to November 1, 2008.

The operator of an MMC Site may republish an MMC contained in the site under CC-BY-SA on the same site at any time before August 1, 2009, provided the MMC is eligible for relicensing. ADDENDUM: How to use this License for your documents

To use this License in a document you have written, include a copy of the License in the document and put the following copyright and license notices just after the title page:

Copyright (C) YEAR YOUR NAME. Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".

If you have Invariant Sections, Front-Cover Texts and Back-Cover Texts, replace the "with... Texts." line with this:

with the Invariant Sections being LIST THEIR TITLES, with the Front-Cover Texts being LIST, and with the Back-Cover Texts being LIST.

If you have Invariant Sections without Cover Texts, or some other combination of the three, merge those two alternatives to suit the situation.

If your document contains nontrivial examples of program code, we recommend releasing these examples in parallel under your choice of free software license, such as the GNU General Public License, to permit their use in free software.

Translation is considered a kind of modification, so you may distribute translations of the Document under the terms of section 4. Replacing Invariant Sections with translations requires special permission from their copyright holders, but you may include translations of some or all Invariant Sections in addition to the original version of these Invariant Sections. You may include a translation of this License, and all the license notices in the Document, and any Warranty Disclaimers, provided that you also include the original English version of this License and the original versions of those notices and disclaimers. In case of a disagreement between the translation and the original version of this License or a notice or disclaimer, the original version will prevail.

If a section in the Document is Entitled "Acknowledgements", "Dedications", or "History", Preserve the Title of the section, and preserve in the section all the substance and tone of each of the contributor acknowledgements and/or dedications given therein. * L. Preserve all the Invariant Sections of the Document, unaltered in their text and

3.3 GNU Lesser General Public License

GNU LESSER GENERAL PUBLIC LICENSE

Version 3, 29 June 2007

Copyright © 2007 Free Software Foundation, Inc. <<http://fsf.org/>>

Everyone is permitted to copy and distribute verbatim copies of this license document, but changing it is not allowed.

This version of the GNU Lesser General Public License incorporates the terms and conditions of version 3 of the GNU General Public License, supplemented by the additional permissions listed below. 0. Additional Definitions:

As used herein, "this License" refers to version 3 of the GNU Lesser General Public License, and the "GNU GPL" refers to version 3 of the GNU General Public License.

"The Library" refers to a covered work governed by this License, either than an Application or a Combined Work as defined below.

An "Application" is any work that makes use of an interface provided by the Library, but which is not otherwise based on the Library. Defining a subclass of a class defined by the Library is deemed a mode of using an interface provided by the Library.

A "Combined Work" is a work produced by combining or linking an Application with the Library. The particular version of the Library with which the Combined Work was made is also called the "Linked Version".

The "Minimal Corresponding Source" for a Combined Work means the Corresponding Source for the Combined Work, excluding any source code for portions of the Combined Work that, considered in isolation, are based on the Application, and not on the Linked Version.

The "Corresponding Application Code" for a Combined Work means the object code and/or source code for the Application, including any data and utility programs needed for reproducing the Combined Work from the Application, but excluding the System Libraries of the Combined Work. 1. Exception to Section 3 of the GNU GPL.

You may convey a covered work under sections 3 and 4 of this License without being bound by section 3 of the GNU GPL. 2. Conveying Modified Versions.

If you modify a copy of the Library, and, in your modifications, a facility refers to a function or data to be supplied by an Application that uses the facility (other than as an argument passed when the facility is invoked), then you may convey a copy of the modified version:

* a) under this License, provided that you make a good faith effort to ensure that, in the event an Application does not supply the function or data, the facility still operates, and performs whatever part of its purpose remains meaningful, or * b) under the GNU GPL, with none of the additional permissions of this License applicable to that copy.

3. Object Code Incorporating Material from Library Header Files.

The object code form of an Application may incorporate material from a header file that is part of the Library. You may convey such object code under terms of your choice, provided that, if the incorporated material is not limited to numerical parameters, data structure layouts and accessors, or small macros, inline functions and templates (ten or fewer lines in length), you do both of the following:

* a) Give prominent notice with each copy of the object code that the Library is used in it and that the Library and its use are covered by this License. * b) Accompany the object code with a copy of the GNU GPL and this license document.

4. Combined Works.

You may convey a Combined Work under terms of your choice that, taken together, effectively do not restrict modification of the portions of the Library contained in the Combined Work and reverse engineering for debugging such modifications, if you also do each of the following:

* a) Give prominent notice with each copy of the Combined Work that the Library is used in it and that the Library and its use are covered by this License. * b) Accompany the Combined Work with a copy of the GNU GPL and this license document. * c) For a Combined Work that displays copyright notices during execution, include the copyright notice for the Library among these notices, as well as a reference directing the user to the copies of the GNU GPL and this license document. * d) Do one of the following: o 0) Convey the Minimal Corresponding Source under the terms of this License, and the Corresponding Application Code in a form suitable for, and under terms that permit, the user to recombine or relink the Application with a modified version of the Linked Version to produce a modified Combined Work, in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source. o 1) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (a) uses at run time a copy of the Library already present on the user's computer system, and (b) will operate properly with a modified version of the Library that is interface-compatible with the Linked Version. * e) Provide Installation Information, but only if you would otherwise be required to provide such information under section 6 of the GNU GPL, and only to the extent that such information is necessary to install and execute a modified version of the Combined Work produced by recombining or relinking the Application with a modified version of the Linked Version. (If you use option 4d, the Installation Information must accompany the Minimal Corresponding Source and Corresponding Application Code. If you use option 4d, you must provide the Installation Information in the manner specified by section 6 of the GNU GPL for conveying Corresponding Source.)

5. Combined Libraries.

You may place library facilities that are a work based on the Library side by side in a single library together with other library facilities that are not Applications and are not covered by this License, and convey such a combined library under terms of your choice, if you do both of the following:

* a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities, conveyed under the terms of this License. * b) Give prominent notice with the combined library that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

6. Revised Versions of the GNU Lesser General Public License.

The Free Software Foundation may publish revised and/or new versions of the GNU Lesser General Public License from time to time. Such new versions will be similar in spirit to the present version, but may differ in detail to address new problems or concerns.

Each version is given a distinguishing version number. If the Library as you received it specifies that a certain numbered version of the GNU Lesser General Public License "or any later version" applies to it, you have the option of following the terms and conditions either of that published version or of any later version published by the Free Software Foundation. If the Library as you received it does not specify a version number of the GNU Lesser General Public License, you may choose any version of the GNU Lesser General Public License ever published by the Free Software Foundation.

If the Library as you received it specifies that a proxy can decide whether future versions of the GNU Lesser General Public License shall apply, that proxy's public statement of acceptance of any version is permanent authorization for you to choose that version for the Library.