Giulio Ascoli

Giulio Ascoli (20 January 1843, Trieste – 12 July 1896, Milan) was a Jewish-Italian[1] mathematician. He was a student of the Scuola Normale di Pisa, where he graduated in 1868.

In 1872 he became Professor of Algebra and Calculus of the Politecnico di Milano University. From 1879 he was professor of mathematics at the Reale Istituto Tecnico Superiore, where, in 1901, was affixed a plaque that remembers him.

He was also a corresponding member of Istituto Lombardo.

Giulio Ascoli	
Born	20 January 1843 Trieste, Italy
Died	12 July 1896 (aged 53) Milan, Italy
Nationality	Italian
Scientific career	
Fields	Mathematics

He made contributions to the theory of functions of a real variable and to Fourier series. For example, Ascoli introduced equicontinuity in 1884, a topic regarded as one of the fundamental concepts in the theory of real functions.[2] In 1889, Italian mathematician Cesare Arzelà generalized Ascoli's Theorem into the Arzelà–Ascoli theorem, a practical sequential compactness criterion of functions.[3]

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See also

- Measure (mathematics)
- Oscillation (mathematics)
- Riemann Integral

Notes

1. ⊘ This article incorporates text from a publication now in the public domain: Singer, Isidore; et al., eds. (1901–1906). "Ascoli, Giulio" (http://www.jewishencyclopedia.com/articles/1900-ascoli-giulio). *The Jewish Encyclopedia*. New York: Funk & Wagnalls.
2. According to Dshalalow (2000, p. 153).
3. See Dshalalow (2000, p. 153).

Biographical references

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- Tricomi, G. F. (1962). "Giulio Ascoli" (http://www.dm.unito.it/sism/m_italiani/biografie/tricomi/ascoligiu.html). *Matematici italiani del primo secolo dello stato unitario (Italian mathematicians of the first century of the unitary state)*. Memorie dell'Accademia delle Scienze di Torino. Classe di Scienze fisiche matematiche e naturali, series IV. **I**. p. 120. Zbl 0132.24405 (https://zbmath.org/?format=complete&q=an:0132.24405). (in Italian). Available from the website of the Società Italiana di Storia delle Matematiche (https://web.archive.org/web/20110111041253/http://www.dm.unito.it/sism/).

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- Letta, Giorgio (1994) [112°], "Le condizioni di Riemann per l'integrabilità e il loro influsso sulla nascita del concetto di misura" (https://web.archive.org/web/20140228144250/http://media.accademiaxl.it/memorie/Serie5_V18_P1.pdf) (PDF), *Rendiconti della Accademia Nazionale delle Scienze detta dei XL, Memorie di Matematica e applicazioni* (in Italian), **XVIII** (1): 143–169, MR 1327463 (https://www.ams.org/mathscinet-getitem?mr=1327463), Zbl 0852.28001 (https://zbmath.org/?format=complete&q=an:0852.28001), archived from the original (http://media.accademiaxl.it/memorie/Serie5_V18_P1.pdf) (PDF) on 28 February 2014. "*Riemann's conditions for integrability and their influence on the birth of the concept of measure*" (English translation of title) is an article on the history of measure theory, analyzing deeply and comprehensively every early contribution to the field, starting from Riemann's work and going to the works of Hermann Hankel, Gaston Darboux, Giulio Ascoli, Henry John Stephen Smith, Ulisse Dini, Vito Volterra, Paul David Gustav du Bois-Reymond and Carl Gustav Axel Harnack.

External links

- Biography (https://web.archive.org/web/20050329000140/http://matematica.uni-bocconi.it/storia/letteraa/biogr-ascoli.htm) in Italian.
- Ascoli, Julio (http://www.jewishencyclopedia.com/view.jsp?artid=1900&letter=A&search=ascoli) in the Jewish Encyclopedia.
- By Their Fruits Ye Shall Know Them: Some Remarks on the Interaction of General Topology with Other Areas of Mathematics (http://www.cs.vu.nl/~vanmill/papers/papers1999/teun.pdf) by T. Koetsier, J. Van Mill, an article containing a history of Ascoli's work on the Arzelà-Ascoli theorem.

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