

Jenő Egerváry

Jenő Egerváry (or **Eugene Egerváry**) (April 16, 1891 – November 30, 1958) was a Hungarian mathematician.

Contents

Biography

Works

See also

Notes

References

External links

Biography

Egerváry was born in Debrecen in 1891. In 1914, he received his doctorate at the Pázmány Péter University in Budapest, where he studied under the supervision of Lipót Fejér. He then worked as an assistant at the Seismological Observatory in Budapest, and since 1918 as a professor at the Superior Industrial School in Budapest. In 1938 he was appointed Privatdozent at the Pázmány Péter University in Budapest.^[1]

In 1941 he became full professor at the Technical University of Budapest, and in 1950 he was appointed Chairman of the Scientific Council of the Research Institute for Applied Mathematics of the Hungarian Academy of Sciences.^[2]

Egerváry received the Gyula König Prize in 1932 and the Kossuth Prize in 1949 and 1953.^[2]

He committed suicide in 1958 because of the troubles caused to him by the communist bureaucracy.^[3]

Works

Egerváry's interests spanned the theory of algebraic equations, geometry, differential equations, and matrix theory.^[1]

In what later became a classic result in the field of combinatorial optimization,^[4] Egerváry generalized König's theorem to the case of weighted graphs.^[5] This contribution was translated and published in 1955 by Harold W. Kuhn,^[6] who also showed how to apply König's and Egerváry's method to solve the assignment problem; the resulting algorithm has since been known as the "Hungarian method".^[7]

Jenő Egerváry



Born	April 16, 1891 <div>Debrecen, Hungary</div>
Died	November 30, 1958 <div>Budapest, Hungary</div>
Nationality	Hungarian
Alma mater	University of Pázmány Péter
Known for	König–Egerváry theorem
Awards	Gyula König Prize (1932), Kossuth Prize (1949)
Scientific career	
Fields	Mathematician
Doctoral advisor	Leopold Fejér

See also

- [König–Egerváry theorem](#)

Notes

1. [Rózsa 1984](#).
2. [Horváth 2005](#).
3. Spedicato, Emilio (November 2008). "Ricordo di Egerváry" (<https://web.archive.org/web/20120330021707/http://umi.dm.unibo.it/old/italiano/Editoria/NUMI2008/novembre08.pdf>) (PDF). *Notiziario dell'Unione Matematica Italiana* (in Italian). Archived from the original (<http://umi.dm.unibo.it/old/italiano/Editoria/NUMI2008/novembre08.pdf>) (PDF) on 2012-03-30.
4. [Schrijver, Alexander](#) (2003). *Combinatorial Optimization – Polyhedra and Efficiency*. Springer. ISBN 978-3-540-44389-6.
5. Egerváry, Jenő (1931), "Matrixok kombinatorius tulajdonságairól" [On combinatorial properties of matrices], *Matematikai és Fizikai Lapok* (in Hungarian), **38**: 16–28
6. Kuhn, Harold W. (1955), "On combinatorial properties of matrices", *Logistics Papers*, George Washington University, **11**: 1–11
7. Kuhn, Harold W. (1955), "The Hungarian Method for the assignment problem", *Naval Research Logistics Quarterly*, **2**: 83–97, doi:10.1002/nav.3800020109 (<https://doi.org/10.1002%2Fnav.3800020109>)

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External links

- [Egerváry Research Group on Combinatorial Optimization \(http://www.cs.elte.hu/egres/www/mf_intro.html\)](http://www.cs.elte.hu/egres/www/mf_intro.html)

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