Technology Generating Knowledge Sources

Presentation on IEEE Digital Library

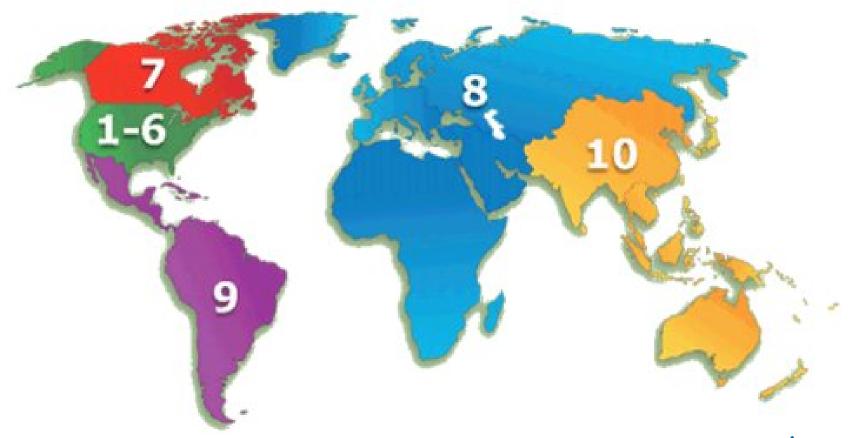


Metin Tunc



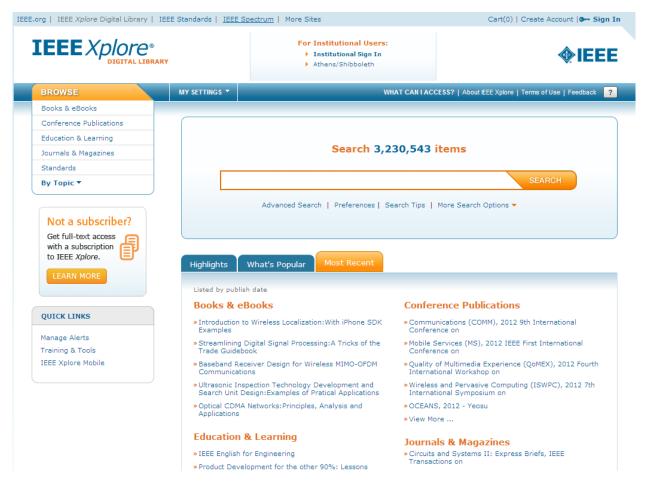
IEEE Regional World Map

Over 419,000 Members





IEEE Xplore Digital Library





IEEE/IET Electronic Library (IEL)

IEL contains almost one-third of the world's current literature in electrical engineering, communications, and computer science

- 3,5 million documents from over 1.6 million authors;
- 160 IEEE journals, magazines, and transactions
- 27 IET journals/magazines, plus 20+ IET conference
- Proceedings over 1,200 IEEE/IET annual conferences
- More than 2,200 IEEE standards in key tech. fields
- Access to articles accepted for future publication;
- Backfile to the late 1800s for select titles;
- Robust search tools with a user-friendly interface;
- more than 20,000 new IEEE/IET articles per month;

Who uses IEEE information?

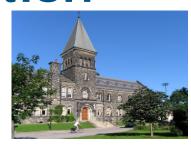


The World's Most Successful Technology Organizations Rely on IEEE Information



The Most Innovative Technology Companies

- •22 of top 25 Semiconductor companies
- •7 of top 10 Aerospace companies
- 8 of top 10 Communications Equipment companies
- •8 out of top 10 Telecommunications companies
- •All of the top 7 Computer Services companies (Forbes Global 2000, May 2011)



The Leading Universities

- All of the top 100 engineering schools in US
- 97 of the Top 100 Technical Universities Worldwide (US News and World Report 2011, Times Higher Education Top Technology Universities)
- •Consortiums in over 30 countries



Government R&D Centers Worldwide

- Defense research and aerospace agencies
- Communications and energy research labs
- Patent offices, public libraries, and scientific councils
- •Government R&D centers in North America, Europe, Asia and the Middle East



IEEE Covers All Areas of Technology

More than just electrical engineering & computer science

- Aerospace & Defense
- Automotive Engineering
- Biomedical Engineering
- Biometrics
- Circuits & Systems
- Cloud Computing
- Communications
- Computer Software
- Electronics
- Energy
- Engineering
- Imaging

- Information Technology
- Medical Devices
- Nanotechnology
- Optics
- Petroleum & Gas
- Power Electronics
- Power Systems
- Robotics & Automation
- Semiconductors
- Smart Grid
- Wireless Broadband

.....and many more



Quality You Can Trust

Journal Citation Report Results, by Impact Factor

IEEE publishes:

- 17 of top 20 journals in Electrical and Electronic Engineering
- 8 of top 10 journals in Telecommunications
- 7 of top 10 journals in Automation & Control Systems
- 6 of top 10 journals in Computer Hardware & Architecture
- 4 of top 5 journals in Computer Science, Cybernetics
- # 1 in Information Systems
- # 1 in Telecommunications
- # 1 in Artificial Intelligence
- # 1 in Computer Hardware
- # 1 in Automation and Control
- # 1 in Transportation Science



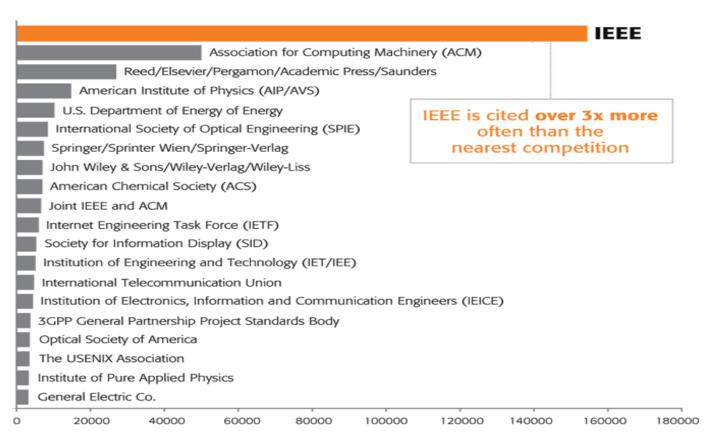


The ISI JCR presents "quantifiable statistical data that provides a systematic, objective way to evaluate the world's leading journals"

(2011 report released June 2012)



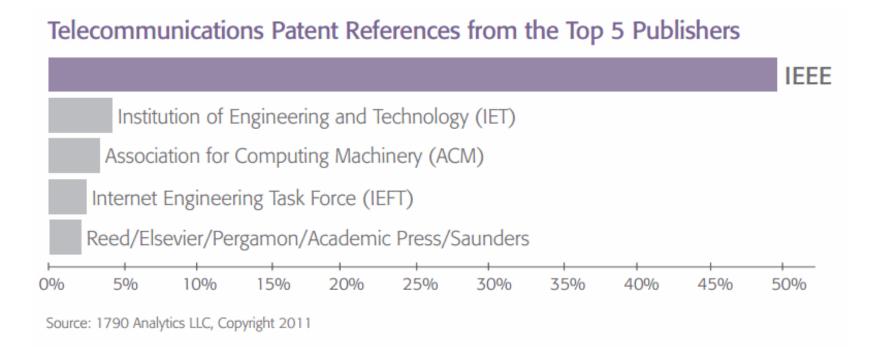
Patent References to STM Publishers



Source: 1790 Analytics LLC, Copyright 2012. IEEE journals and conference proceedings cited more than three times than any other top-20 publisher. Papers referencing IEEE papers in patents has increased 546% since 1997

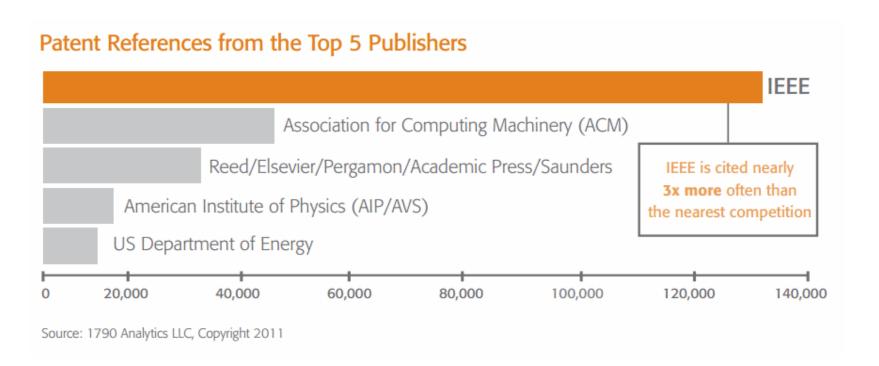


Telecommunications Technology





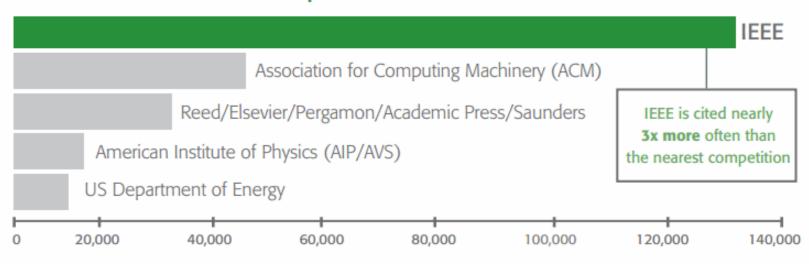
Electronics Technology





Aerospace and Defense Technology

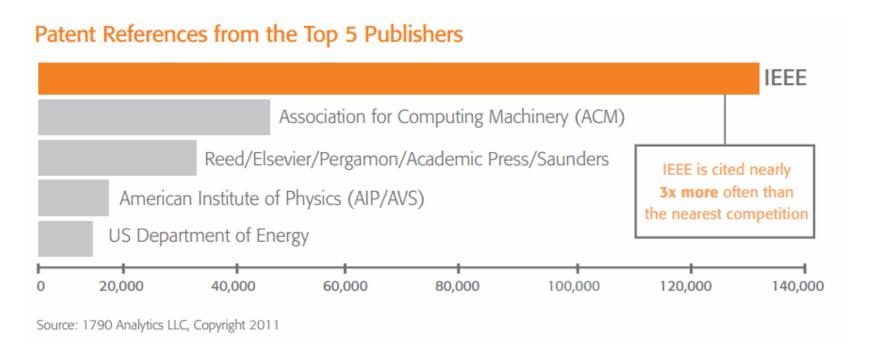
Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011



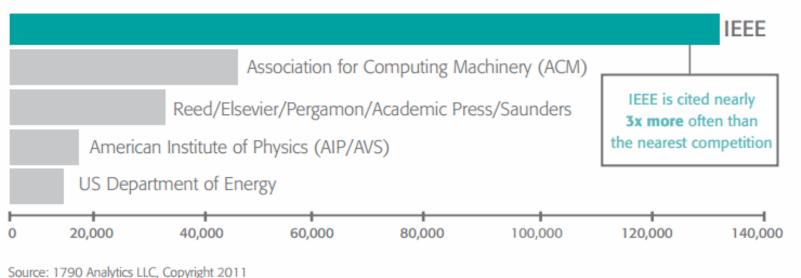
Nanotechnology





Biomedical Engineering and Medical Device Technology

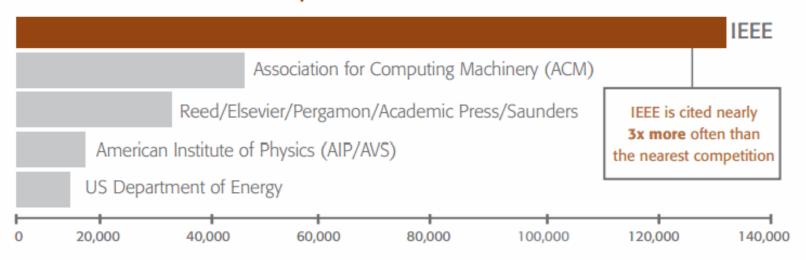
Patent References from the Top 5 Publishers





Petroleum and Natural Gas Technology

Patent References from the Top 5 Publishers



Source: 1790 Analytics LLC, Copyright 2011

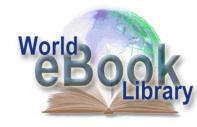


Conclusion

With proceedings came through 100 years IEEE brings to higher academic and research institutions the solutions they need to make research effective and efficient.





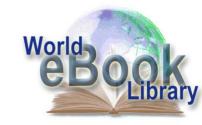




3+ Million Full-Text E-Books







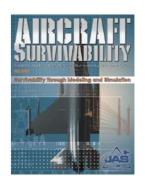
3+ Million EBooks

2,000,000+ E-Books



900.000+ (Reports, Technical Pubs, etc.)

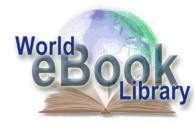
23,000 Audio Books



230 Language

200,000+ Publisher



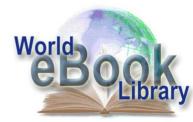


World eBook Library

Content-Languages; 230 Languages:

- %85 English
- 160.000 German,
- •175.000 French,
- •12.000 Russian
- Rare Languages

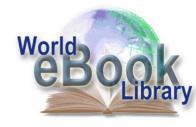




Primary Information Resource

- 1000 year old books
- 80% of the most influential books
 - 70% of the best books
- 300,000+ Governmental Sources from 36 Country
 - %40 of the mostly cited books in Humanities
 - %40 of all time best-seller books
- Books in American, Canadian and European Libraries
 - Books form %30 of Nobel Winner Authors
 - 500,000+ amazon.com
- (a) Martin Seymour-Smith: "The 100 Most Influential Books Ever Written", 2004
- (b) "The 100 Best Books of All Times" Norwegian Book Club 2002 based on proposal by 100 authors from 54 countries
- (c) Thomson Reuters' ISI Web of Science, 2007.





World eBook Library Subject Fields

Agriculture (40,479)

Education (82,445)

Literature (130,395)

Physics (3,918)

Anthropology (14,293)

Finance (56,971)

Management (21,840)

Political Science (165,167)

Astronomy (4,664)

Fine Arts (42,072)

Math (13,308)

Psychology (9,548)

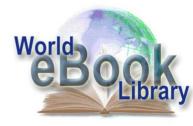
Bibliography (33,824)

Geography (13,145)

Medicine (87,950)

Recreation (9,115)





World eBook Library Subject Fields

Biology (12,912)

Government (145,052)

Military Science (59,110)

Religion (57,786)

Chemistry (18,739)

History (195,869)

Music (10,115)

Sociology (120,114)

Commerce (42,062)

Language (176,701)

Naval Science (70,190)

Statistics (9,257)

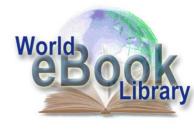
Economy (67,681)

Law (225,283)

Philosophy (32,554)

Technology (10,891)





Compatible Viewing in All Technologies





iPad







Sony

Reader

iPhone/iPo d

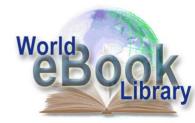
Smart-Phone



Blackberry

Laptop





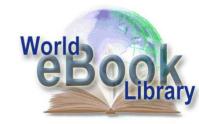
FREDOM IN USE Unlimited Users & Unlimited Download



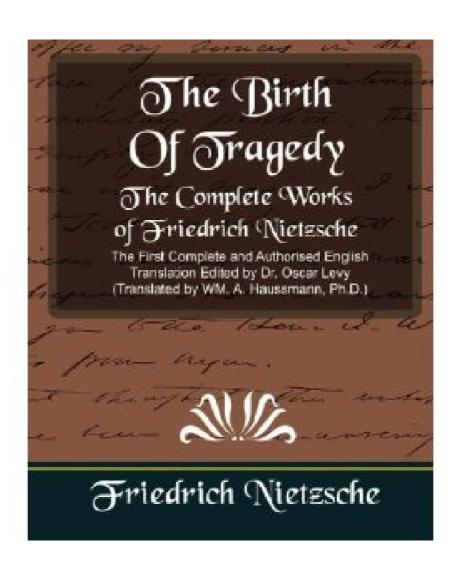
ACCOMPAGNÉ D'UN ATLAS COMPANÉ DE L'EMPINE OTTOMAN , CONTENANT 21 CARTES BT 15 PLANS DE BATALLESS DRESSÉS PAR LE TRADUCTEUR.





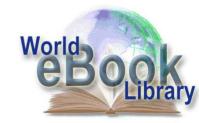


Philology

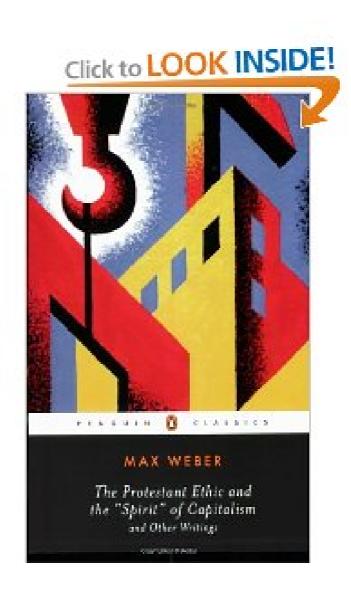


The Birth of Tragedy by Friedrich Nietzsche



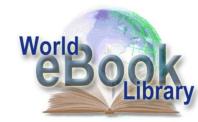


Economy

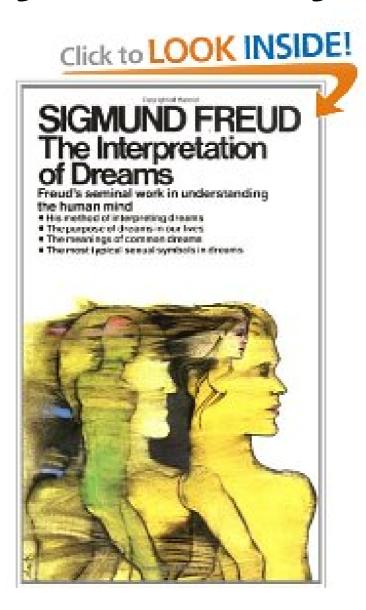


The Protestant Ethic and the Spirit of Capitalism by Max Weber



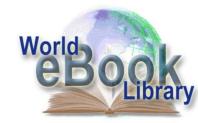


Psychoanalysis

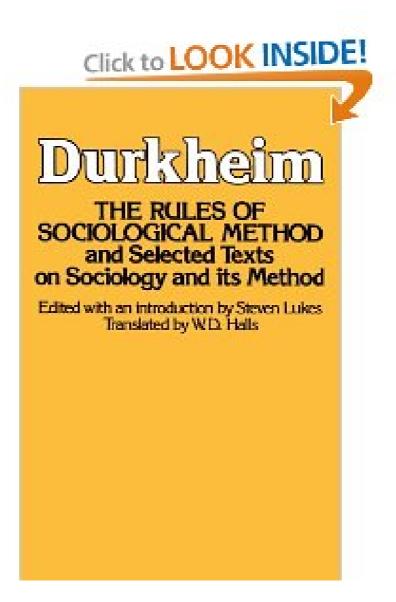


The Interpretation of Dreams by Sigmund Freud



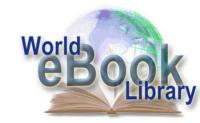


Sociology



The Rules of Sociological Method by Emile Durkheim





Education

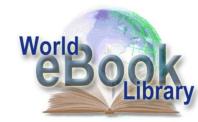


MY PEDAGOGIC CREED

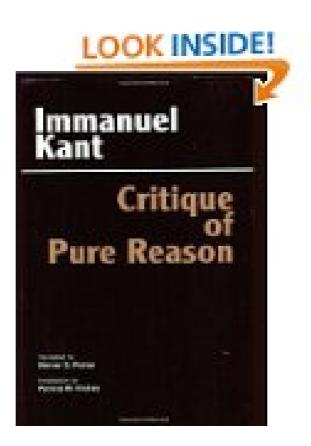
JOHN DEWEY

My Pedagogic Creed by John Dewey



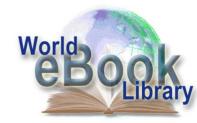


Philosophy

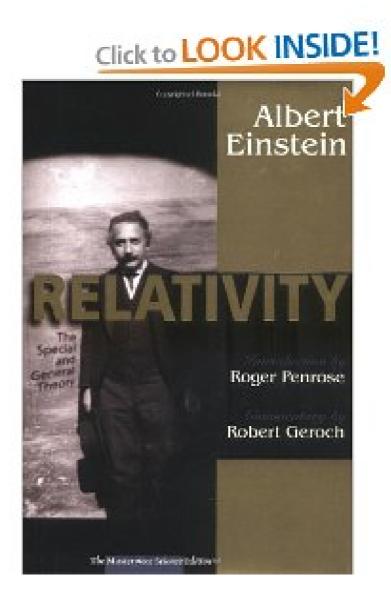


Critique of Pure Reason By Immanuel Kant



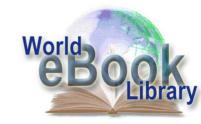


Physics

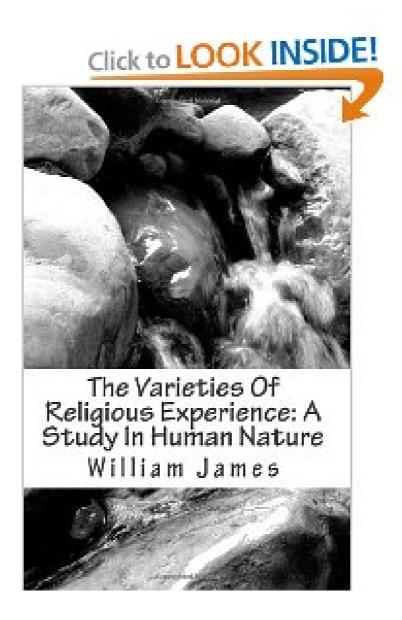


Relativity
By Albert Einstein



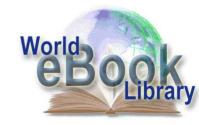


Psychology

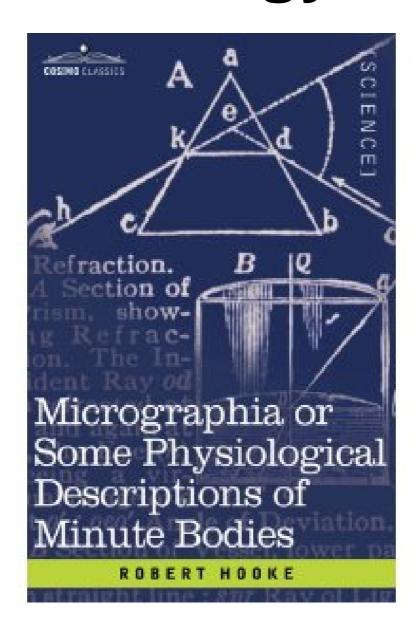


The Varieties Of Religious Experience By William James



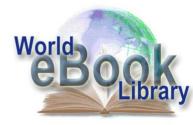


Biology

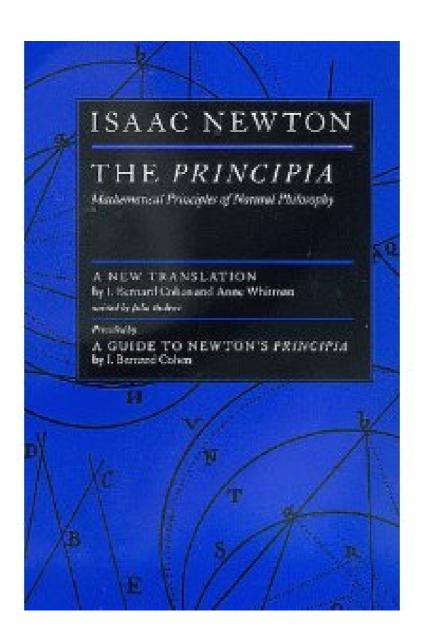


Micrographia or Some Physiological Descriptions of Minute Bodies By Robert Hooke



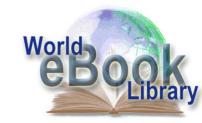


Mathematics

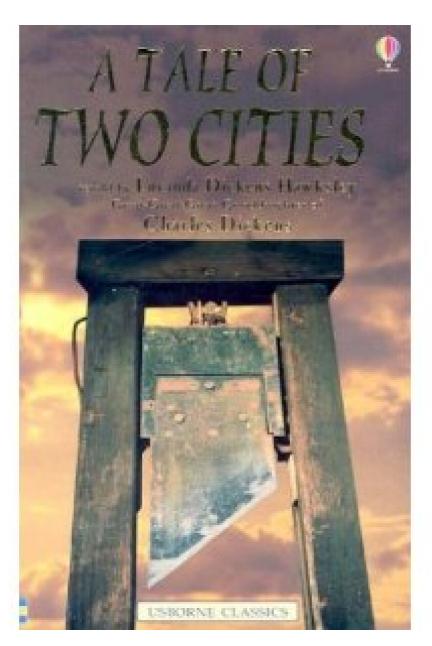


The Principia: Mathematical Principles of Natural Philosophy By Isaac Newton



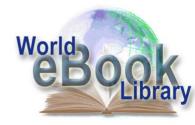


Literature



A Tale of Two Cities By Charles Dickens





...Thanks...

METIN TUNC