

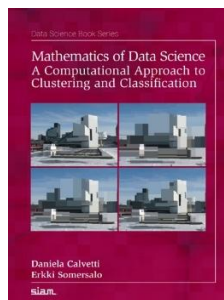
Monthly Bulletin of New Additions of Books December 2025



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DATA SCIENCE



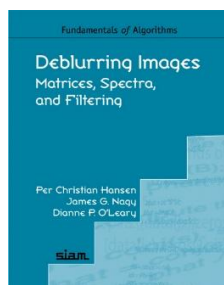
Title: [Mathematics of data science : a computational approach to clustering and classification](#)

Author: Calvetti, Daniela

Publisher: Philadelphia: SIAM, 2021.

Call No.: 005.7/CAL

Acc. No.: 28724



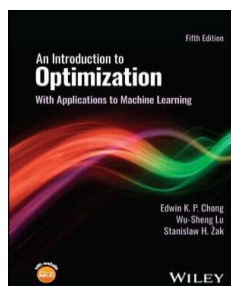
Title: [Deblurring images : matrices, spectra, and filtering](#)

Author: Hansen, Per Christian

Publisher: Philadelphia: SIAM, 2006.

Call No.: 006.37/HAN

Acc. No.: 28715



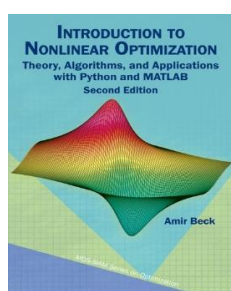
Title: [Introduction to optimization: with applications to machine learning](#)

Author: Chong, Edwin K. P.

Publisher: New Jersey: John Wiley & Sons, 2024.

Call No.: 519.6/CHO

Acc. No.: 28699



Title: [Introduction to nonlinear optimization : theory, algorithms and applications with Python and MATLAB](#)

Author: Beck, Amir

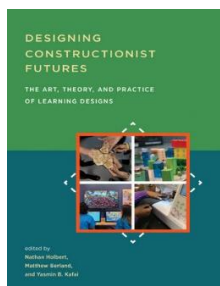
Publisher: Philadelphia: SIAM, 2023.

Call No.: 519.6/BEC

Acc. No.: 28708

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SCIENCE EDUCATION



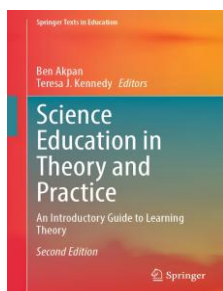
Title: [Designing constructionist futures : the art, theory, and practice of learning designs](#)

Author: Holbert, Nathan_Ed.

Publisher: Massachusetts: The MIT Press, 2020.

Call No.: 370.152/HOL

Acc. No.: 28716



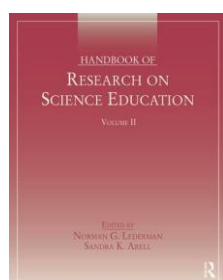
Title: [Science education in theory and practice : an introductory guide to learning theory](#)

Author: Akpan, Ben_Ed.

Publisher: Cham: Springer, 2020.

Call No.: 507.1/AKP

Acc. No.: 28732



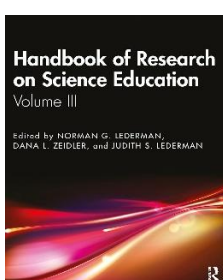
Title: [Handbook of research on science education, Vol. II](#)

Author: Lederman, Norman G._Ed.

Publisher: New York: Routledge, 2014.

Call No.: 507.1/LED

Acc. No.: 28719



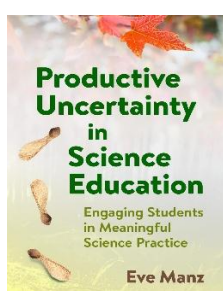
Title: [Handbook of research on science education, Vol. III](#)

Author: Lederman, Norman G._Ed.

Publisher: New York: Routledge, 2023.

Call No.: 507.1/LED

Acc. No.: 28720



Title: [Productive uncertainty in science education : engaging students in meaningful science practice](#)

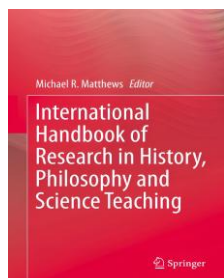
Author: Manz, Eve

Publisher: New York: Teachers College Press, 2025.

Call No.: 507.1/MAN

Acc. No.: 28729

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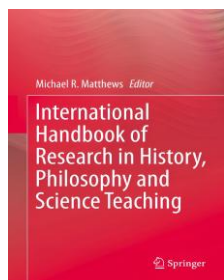
Title: [International handbook of research in history, philosophy and science teaching, Vol. I](#)

Author: Matthews, Michael R._Ed.

Publisher: Dordrecht: Springer, 2014.

Call No.: 507.1/MAT

Acc. No.: 28721



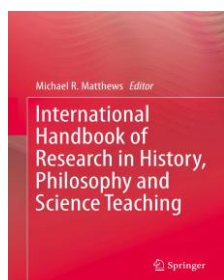
Title: [International handbook of research in history, philosophy and science teaching, Vol. II](#)

Author: Matthews, Michael R._Ed.

Publisher: Dordrecht: Springer, 2014.

Call No.: 507.1/MAT

Acc. No.: 28722



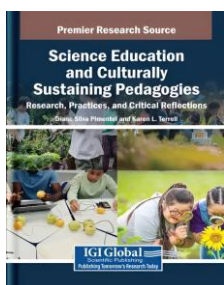
Title: [International handbook of research in history, philosophy and science teaching, Vol. III](#)

Author: Matthews, Michael R._Ed.

Publisher: Dordrecht: Springer, 2024.

Call No.: 507.1/MAT

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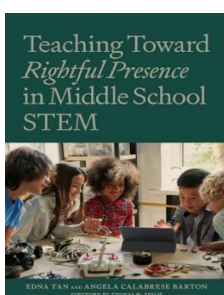
Title: [Science education and culturally sustaining pedagogies: research, practices, and critical reflections](#)

Author: Pimentel, Diane Silva

Publisher: Pennsylvania: IGI Global Scientific Publishing, 2026.

Call No.: 507.1/PIM

Acc. No.: 28731



Title: [Teaching towards rightful presence in middle school STEM](#)

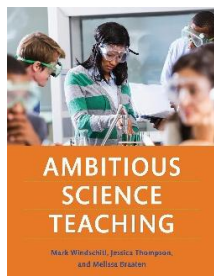
Author: Tan, Edna

Publisher: Cambridge: Harvard Education Press, 2023.

Call No.: 507.12/TAN

Acc. No.: 28736

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Title: [Ambitious science teaching](#)

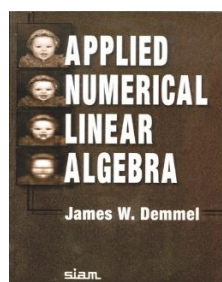
Author: Windschitl, Mark

Publisher: Cambridge: Harvard Education Press, 2018.

Call No.: 507/WIN

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MATHEMATICS



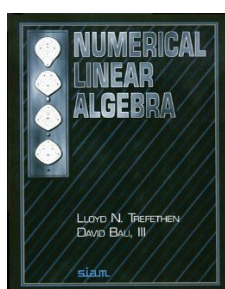
Title: [Applied numerical linear algebra](#)

Author: Demmel, James W.

Publisher: Philadelphia: SIAM, 1997.

Call No.: 512.5/DEM

Acc. No.: 28712



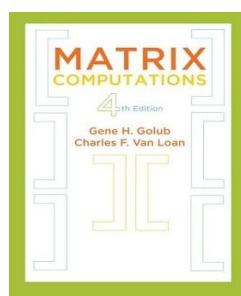
Title: [Numerical linear algebra](#)

Author: Trefethen, Lloyd N.

Publisher: Philadelphia: SIAM, 1997.

Call No.: 512.5/TRE

Acc. No.: 28726



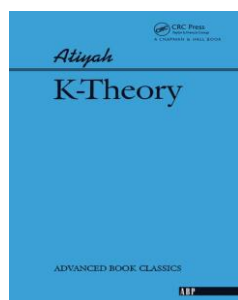
Title: [Matrix computations](#)

Author: Golub, Gene H.

Publisher: Baltimore: The Johns Hopkins University Press, 2013.

Call No.: 512.9434/GOL

Acc. No.: 28725



Title: [K-theory](#)

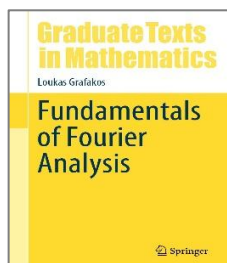
Author: Atiyah, M. F.

Publisher: Boca Raton: CRC Press, 2024.

Call No.: 514.2/ATI

Acc. No.: 28705

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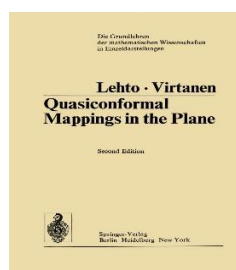
Title: [Fundamentals of Fourier analysis](#)

Author: Grafakos, Loukas

Publisher: Cham: Springer, 2024.

Call No.: 515.2433/GRA

Acc. No.: 28717



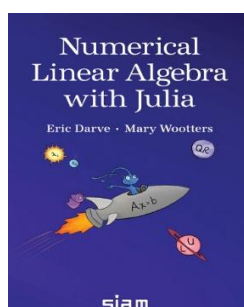
Title: [Quasiconformal mappings in the plane](#)

Author: Lehto, Olli

Publisher: New York: Springer-Verlag, 1973.

Call No.: 515.93/LEH

Acc. No.: 28703



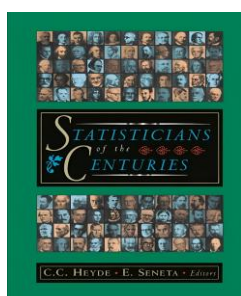
Title: [Numerical linear algebra with Julia](#)

Author: Darve, Eric

Publisher: Philadelphia: SIAM, 2021.

Call No.: 518.43/DAR

Acc. No.: 28727



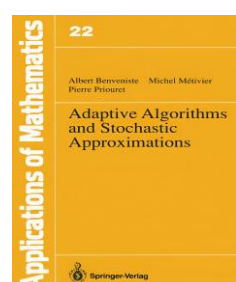
Title: [Statisticians of the centuries](#)

Author: Heyde, C. C. _Ed.

Publisher: New York: Springer, 2001.

Call No.: 519.09/HEY

Acc. No.: 28733



Title: [Adaptive algorithms and stochastic approximations](#)

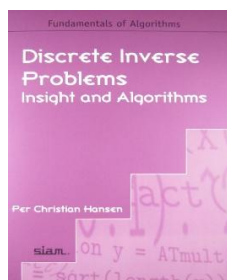
Author: Benveniste, Albert

Publisher: Berlin: Springer Berlin Heidelberg, 1990.

Call No.: 519.2/BEN

Acc. No.: 28710

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Title: [Discrete inverse problems : insight and algorithms](#)

Author: Hansen, Per Christian

Publisher: Philadelphia: SIAM, 2010.

Call No.: 519.4/HAN

Acc. No.: 28709



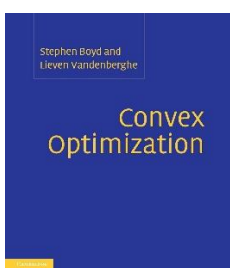
Title: [Least squares data fitting with applications](#)

Author: Hansen, Per Christian

Publisher: Maryland: Johns Hopkins University Press, 2013.

Call No.: 519.536/HAN

Acc. No.: 28746



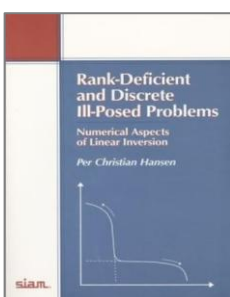
Title: [Convex optimization](#)

Author: Boyd, Stephen

Publisher: Cambridge: Cambridge University Press, 2004.

Call No.: 519.6/BOY

Acc. No.: 28702



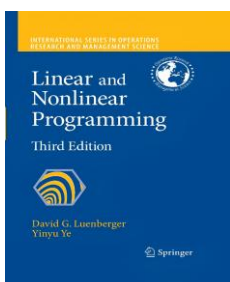
Title: [Rank-deficient and discrete ill-posed problems : numerical aspects of linear inversion](#)

Author: Hansen, Per Christian

Publisher: Philadelphia: SIAM, 1998.

Call No.: 519.6/HAN

Acc. No.: 28730



Title: [Linear and nonlinear programming](#)

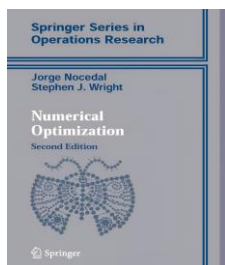
Author: Luenberger, David G.

Publisher: Cham: Springer, 2021.

Call No.: 519.6/LUE

Acc. No.: 28700

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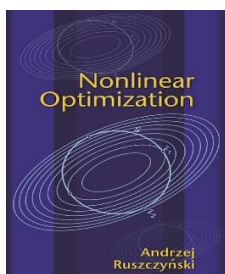
Title: [Numerical optimization](#)

Author: Nocedal, Jorge

Publisher: New York: Springer, 2006.

Call No.: 519.6/NOC

Acc. No.: 28697



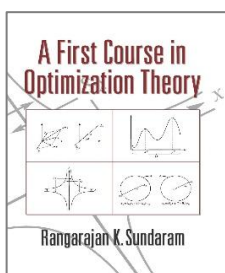
Title: [Nonlinear optimization](#)

Author: Ruszczyński, Andrzej

Publisher: Princeton: Princeton University Press, 2006.

Call No.: 519.6/RUS

Acc. No.: 28698



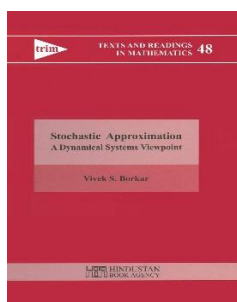
Title: [First course in optimization theory](#)

Author: Sundaram, Rangarajan K.

Publisher: Cambridge: Cambridge University Press, 1996.

Call No.: 519.6/SUN

Acc. No.: 28701



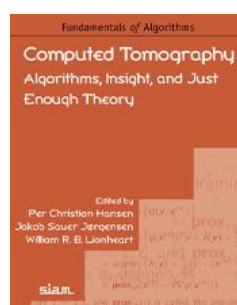
Title: [Stochastic approximation: a dynamical systems viewpoint](#)

Author: Borkar, Vivek S.

Publisher: Delhi: Hindustan Book Agency, 2022.

Call No.: 519.64/BOR

Acc. No.: 28734



Title: [Computed tomography: algorithms, insight, and just enough theory](#)

Author: Hansen, Per Christian_Ed.

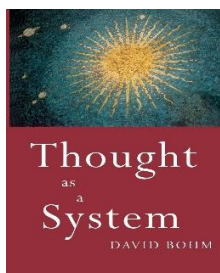
Publisher: Philadelphia: SIAM, 2021.

Call No.: 516.362/HAN

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PHYSICS



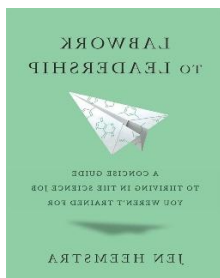
Title: [Thought as a system](#)

Author: Bohm, Davi

Publisher: London: Routledge, 1994.

Call No.: 128.2/BOH

Acc. No.: 28737



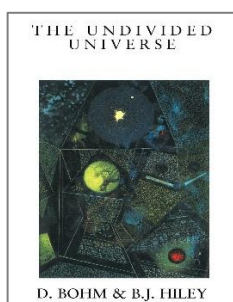
Title: [Labwork to leadership : a concise guide to thriving in the science job you weren't trained for](#)

Author: Heemstra, Jen

Publisher: Cambridge: Harvard University Press, 2025.

Call No.: 507.2/HEE

Acc. No.: 28745



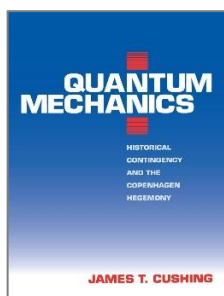
Title: [The undivided universe : an ontological interpretation of quantum theory](#)

Author: Bohm, D.

Publisher: London: Routledge, 1993.

Call No.: 530.12/BOH

Acc. No.: 28740



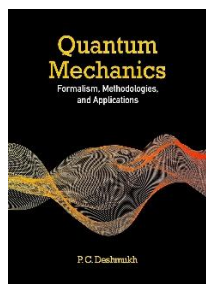
Title: [Quantum mechanics : historical contingency and the Copenhagen hegemony](#)

Author: Cushing, James T.

Publisher: Chicago: University of Chicago Press, 1994.

Call No.: 530.12/CUS

Acc. No.: 28747



Title: [Quantum mechanics : formalism, methodologies, and applications](#)

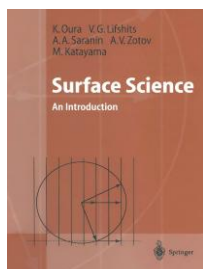
Author: Deshmukh, P. C.

Publisher: Cambridge: Cambridge University Press, 2023.

Call No.: 530.12/DES

Acc. No.: 28743

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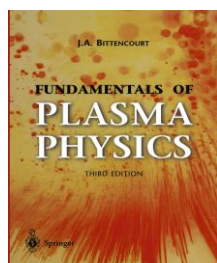
Title: [Surface science : an introduction](#)

Author: Oura, K.

Publisher: Berlin: Springer, 2010.

Call No.: 530.41/OUR

Acc. No.: 28735



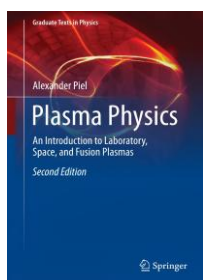
Title: [Fundamentals of plasma physics](#)

Author: Bittencourt, J. A.

Publisher: New York: Springer, 2004.

Call No.: 530.44/BIT

Acc. No.: 28718



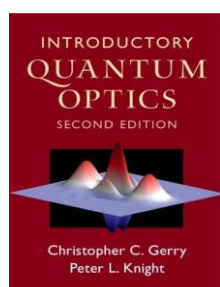
Title: [Plasma physics : an introduction to laboratory, space, and fusion plasmas](#)

Author: Piel, Alexander

Publisher: Cham: Springer, 2017.

Call No.: 530.44/PIE

Acc. No.: 28728



Title: [Introductory quantum optics](#)

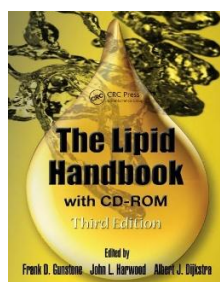
Author: Gerry, Christopher C.

Publisher: Cambridge: Cambridge University Press, 2024.

Call No.: 535.15/GER

Acc. No.: 28706

BIOLOGY



Title: [Lipid handbook with CD-ROM](#)

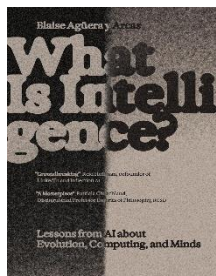
Author: Dijkstra, Albert J.

Publisher: Boca Raton: CRC Press, 2007.

Call No.: 547.7/DIJ

Acc. No.: 28696

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Title: [What is intelligence? : lessons from AI about evolution, computing, and minds](#)

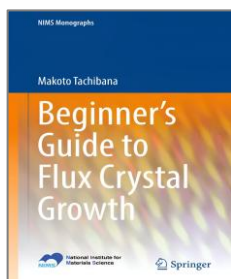
Author: Agüero y Arcas, Blaise

Publisher: Cambridge: The MIT Press, 2025.

Call No.: 006.3/AGU

Acc. No.: 28750

CHEMISTRY



Title: [Beginner's guide to flux crystal growth](#)

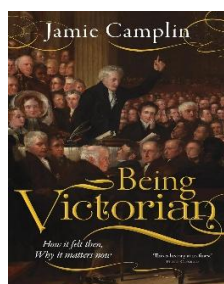
Author: Tachibana, Makoto

Publisher: Tokyo: Springer, 2017.

Call No.: 548.5/TAC

Acc. No.: 28713

HISTORY & GEOGRAPHY



Title: [Being Victorian : how it felt then, why it matters now](#)

Author: Camplin, Jamie

Publisher: Lewes: Unicorn, 2025.

Call No.: 941.081/CAM

Acc. No.: 28744

[Monthly Bulletin of Books \(Previous Months\)](#)

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