



INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY

Library and Information Resource Division

NEW ARRIVALS

(New Books Added to IIST Library on 06.07.2026)



CONTENTS

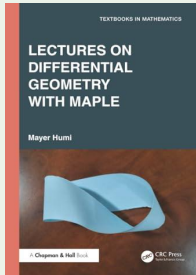
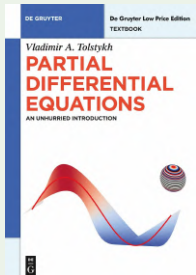
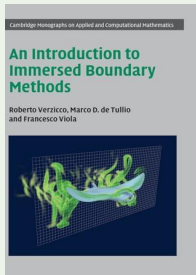
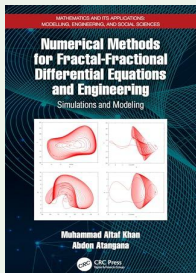
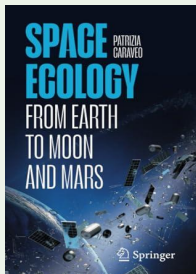
Sl. No.	Subject
1	Aerospace Engineering ➤ Introduction to rocket propulsion for astronautics ➤ Performance analysis of a liquid/gel rocket engine during operation
2	Astronomy and Astrophysics ➤ Astrophysics ➤ Introduction to astronomy and astrophysics ➤ Scientific debates in space science ➤ Space ecology
3	Biological Science ➤ Biometry ➤ Molecular storms
4	Computer Science and Technology ➤ AI morality ➤ AI robotics ➤ Applied data science using PySpark ➤ Applied machine learning for data science practitioners ➤ Beginning C++ compilers ➤ Blockchain technology and applications ➤ Computer vision and internet of things ➤ Hands-on network machine learning with Python ➤ How to catch a phish ➤ Mastering data visualization using Tableau ➤ Object oriented approach to problem solving and machine learning with Python ➤ Object oriented programming with C++ ➤ Pocket universal principles of UX ➤ Programming-based formal languages and automata theory ➤ Social media data mining and analytics

Sl. No.	Subject
5	Engineering Technology ➤ Energy 2040 ➤ Fusion's promise ➤ Introduction to internal combustion engines ➤ Structures
6	Literature ➤ Contemporary literary and cultural theory ➤ How to kill an asteroid ➤ Interrogating eco-literature and sustainable development
7	Mathematics ➤ Abstract algebra ➤ Advanced mathematics for engineers and scientists with worked examples ➤ Algebraic number theory and Fermat's last theorem ➤ Applied numerical analysis ➤ Complex analysis ➤ Construction mathematics ➤ Discrete mathematics ➤ Elementary numerical mathematics for programmers and engineers ➤ Exploring linear algebra ➤ Finite difference methods for compressible two-fluid dynamics ➤ Holomorphic foliations with singularities ➤ Integral transforms and engineering ➤ Introduction to immersed boundary methods ➤ Lectures on differential geometry with Maple ➤ Limit cycles of differential equations ➤ Machine learning for signal processing ➤ Methods of real analysis ➤ Numerical methods for fractal-fractional differential equations and engineering ➤ Partial differential equations

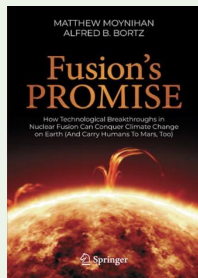
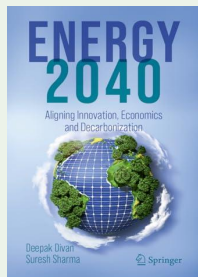
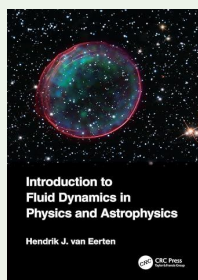
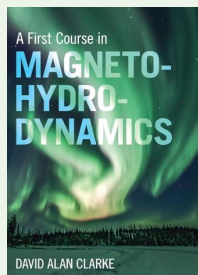
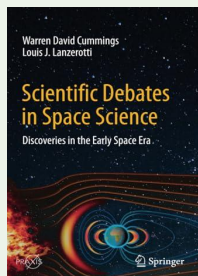
NEW BOOKS ADDED TO IIST LIBRARY ON 06.07.2026

Sl. No.	Subject
8	Physics ➤ Charge ➤ First course in magnetohydrodynamics ➤ How the world flows ➤ Introduction to fluid dynamics in physics and astrophysics ➤ Introduction to statistical mechanics and thermodynamics ➤ Introduction to statistical thermodynamics ➤ Introductory incompressible fluid mechanics ➤ Particles, fields, space-time ➤ Pedrottis' introduction to optics ➤ Quantum mechanics through problems ➤ Untangling general relativity
9	Social Science ➤ Digital media and society ➤ Ethnographic research in the social sciences ➤ Methods for community - based research ➤ Real cost of cheap food ➤ Rock, paper, pixels

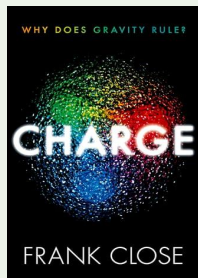
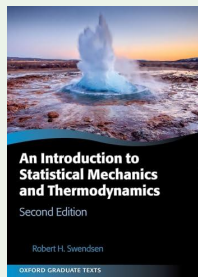
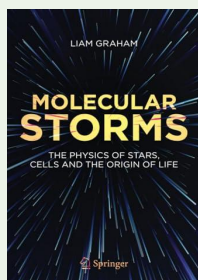
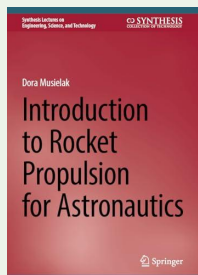
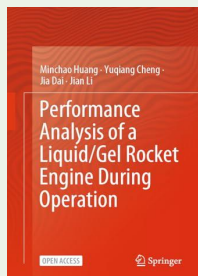
NEW BOOKS ADDED TO IIST LIBRARY ON 06.07.2026

Sl. No.	Acc. No.	Details of the Book		No. of Copies
1	24801		Title: Lectures on differential geometry with Maple	1
			Author: Humi, Mayer	
			Publisher: CRC Press: Boca Raton, 2026	
2	24802		Title: Partial differential equations	1
			Author: Tolstykh, Vladimir A	
			Publisher: De Gruyter: Berlin, 2025	
3	24803		Title: Introduction to immersed boundary methods	1
			Authors: Verzicco, Roberto Tullio, Marco D. de Viola, Francesco	
			Publisher: Cambridge University Press: New York, 2026	
4	24804		Title: Numerical methods for fractal-fractional differential equations and engineering	1
			Authors: Khan, Muhammad Altaf Atangana, Abdon	
			Publisher: CRC Press: Boca Raton, 2023	
5	24805		Title: Space ecology	1
			Author: Caraveo, Patrizia	
			Publisher: Springer: Switzerland, 2025	
Back to Contents				

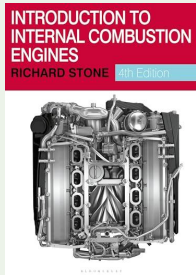
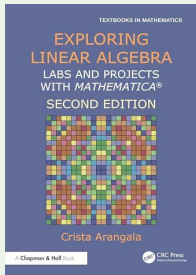
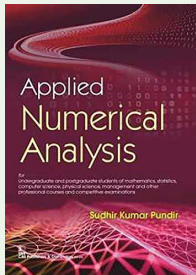
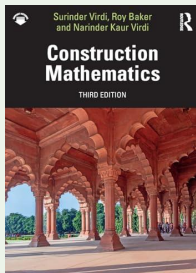
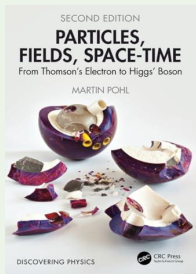
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Sl. No.	Acc. No.	Details of the Book		No. of Copies
6	24806		Title: Fusion's promise	1
		Authors: Moynihan, Matthew Bortz, Alfred B		
		Publisher: Springer: Switzerland, 2023		
7	24807		Title: Energy 2040	1
		Authors: Deepak Divan Suresh Sharma		
		Publisher: Springer: Switzerland, 2024		
8	24808		Title: Introduction to fluid dynamics in physics and astrophysics	1
		Author: Eerten, Hendrik J van		
		Publisher: CRC Press: Boca Raton, 2024		
9	24809		Title: First course in magnetohydrodynamics	1
		Author: Clarke, David Alan		
		Publisher: Cambridge University Press: New York, 2025		
10	24810		Title: Scientific debates in space science	1
		Authors: Cummings, Warren David Lanzerotti, Louis J		
		Publisher: Springer: Switzerland, 2024		
Back to Contents				

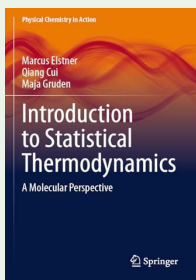
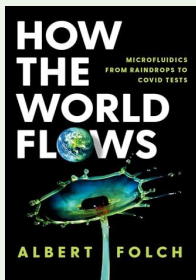
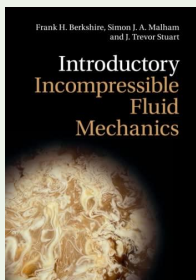
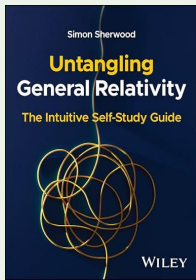
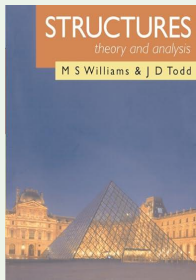
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11	24811		Title: Charge	1
			Author: Close, Frank	
			Publisher: Oxford University Press: Oxford, 2024	
12	24812		Title: Introduction to statistical mechanics and thermodynamics	1
			Author: Swendsen, Robert H	
			Publisher: Oxford University Press: Oxford, 2020	
13	24813		Title: Molecular storms	1
			Author: Graham, Liam	
			Publisher: Springer: Switzerland, 2023	
14	24814		Title: Introduction to rocket propulsion for astronautics	1
			Author: Musielak, Dora	
			Publisher: Springer: Switzerland, 2025	
15	24815		Title: Performance analysis of a liquid/gel rocket engine during operation	1
			Authors: Huang, Minchao Cheng, Yuqiang Dai, Jia Li, Jian	
			Publisher: Springer: Singapore, 2025	
Back to Contents				

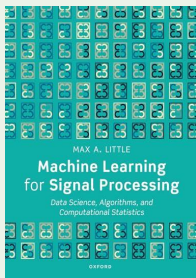
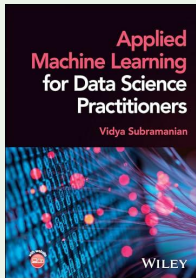
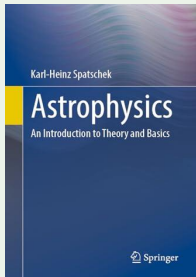
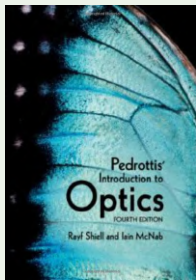
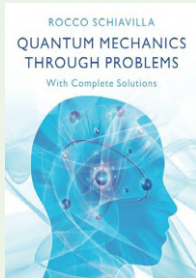
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16	24816		Title: Introduction to internal combustion engines	1
			Author: Stone, Richard	
			Publisher: Bloomsbury Publishing: New Delhi, 2025	
17	24817		Title: Exploring linear algebra	1
			Author: Arangala, Crista	
			Publisher: CRC Press: Boca Raton, 2025	
18	24818		Title: Applied numerical analysis	1
			Author: Sudhir Kumar Pundir	
			Publisher: CBS Publishers: New Delhi, 2020	
19	24819		Title: Construction mathematics	1
			Authors: Surinder Viridi Baker, Roy Narinder Kaur Viridi	
			Publisher: Routledge: New York, 2026	
20	24820		Title: Particles, fields, space-time	1
			Author: Pohl, Martin	
			Publisher: CRC Press: Boca Raton, 2025	
Back to Contents				

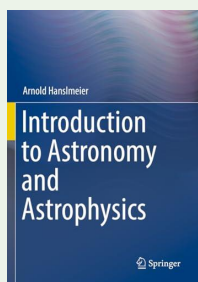
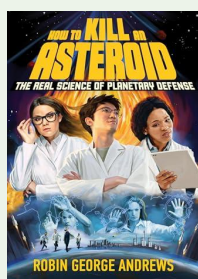
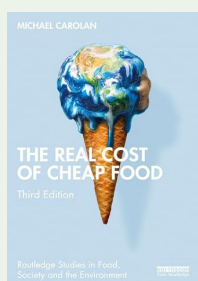
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21	24821		Title: Introduction to statistical thermodynamics	1
			Authors: Elstner, Marcus Cui, Qiang Gruden, Maja	
			Publisher: Springer: Switzerland, 2024	
22	24822		Title: How the world flows	1
			Author: Folch, Albert	
			Publisher: Oxford University Press: New York, 2025	
23	24823		Title: Introductory incompressible fluid mechanics	1
			Authors: Berkshire, Frank H Malham, Simon J A Stuart, Trevor J	
			Publisher: Cambridge University Press: New York, 2022	
24	24824		Title: Untangling general relativity	1
			Author: Sherwood, Simon	
			Publisher: John Wiley: Hoboken, 2026	
25	24825		Title: Structures	1
			Authors: Williams, M S Todd, J D	
			Publisher: Bloomsbury: New Delhi, 2025	
Back to Contents				

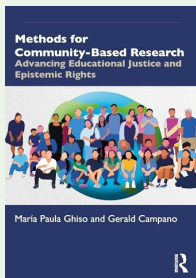
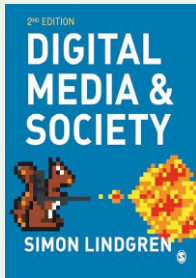
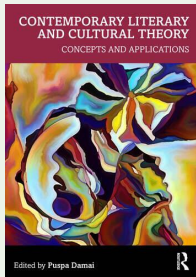
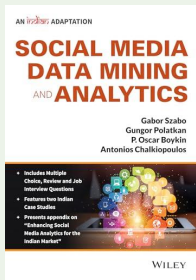
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26	24826		Title: Machine learning for signal processing	1
			Author: Little, Max A	
			Publisher: Oxford University Press: Oxford, 2024	
27	24827		Title: Applied machine learning	1
			Author: Vidya Subramanian	
			Publisher: John Wiley: New Jersey, 2025	
28	24828		Title: Astrophysics	1
			Author: Spatschek, Karl-Heinz	
			Publisher: Springer: Germany, 2024	
29	24829		Title: Pedrotti's introduction to optics	1
			Authors: Shiell, Rayf McNab, Iain	
			Publisher: Cambridge University Press: New York, 2025	
30	24830		Title: Quantum mechanics through problems	1
			Author: Schiavilla, Rocco	
			Publisher: Cambridge University Press: New York, 2025	
Back to Contents				

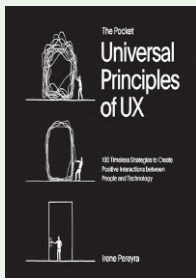
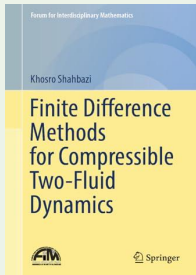
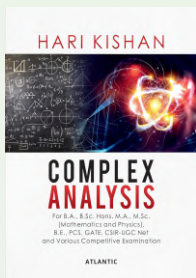
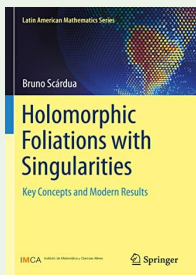
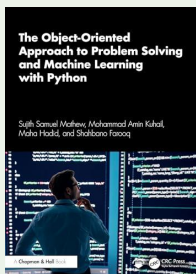
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31	24831		Title: Introduction to astronomy and astrophysics	1
			Author: Hanslmeier, Arnold	
			Publisher: Springer: Germany, 2023	
32	24832		Title: Interrogating eco-literature and sustainable development	1
			Editors: Sharbani Banerjee Mukherjee Soumitra Roy	
			Publisher: Routledge: Abingdon, 2024	
33	24833		Title: Rock, paper, pixels	1
			Author: Aievoli, Patrick	
			Publisher: CRC Press: Boca Raton, 2025	
34	24834		Title: How to kill an asteroid	1
			Author: Andrews, Robin George	
			Publisher: W. W. Norton: London, 2024	
35	24835		Title: Real cost of cheap food	1
			Author: Carolan, Michael	
			Publisher: Routledge: Abingdon, 2025	
Back to Contents				

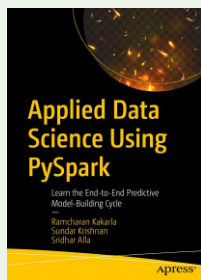
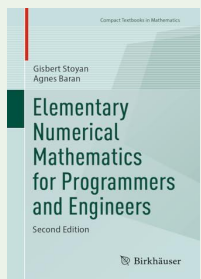
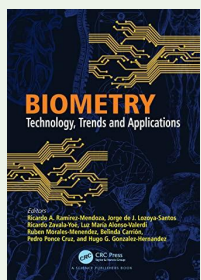
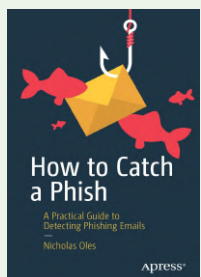
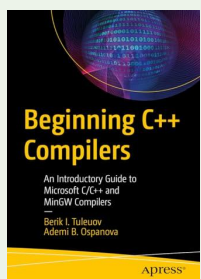
NEW BOOKS ADDED TO IIST LIBRARY ON 06.07.2026

Sl. No.	Acc. No.	Details of the Book		No. of Copies
36	24836		Title: Methods for community - based research	1
		Author: Ghiso, Maria Paula Campano, Gerald		
		Publisher: Routledge: Abingdon, 2024		
37	24837		Title: Digital media and society	1
		Author: Lindgren, Simon		
		Publisher: SAGE: London, 2022		
38	24838		Title: Contemporary literary and cultural theory	1
		Editor: Puspa Damai		
		Publisher: Routledge: Abingdon, 2026		
39	24839		Title: Social media data mining and analytics	1
		Authors: Szabo, Gabor Polatkan, Gungor Boykin, Oscar P Chalkiopoulos, Antonios		
		Publisher: Wiley: New Delhi, 2025		
40	24840		Title: Ethnographic research in the social sciences	1
		Editors: Madhulika Sahoo Jeyavelu, S Anjali Kurane		
		Publisher: Routledge: Abingdon, 2024		
Back to Contents				

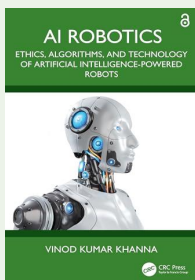
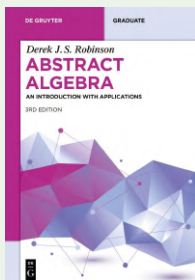
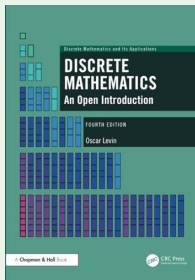
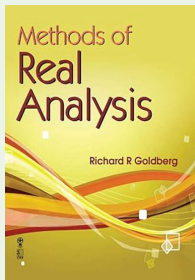
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Sl. No.	Acc. No.	Details of the Book		No. of Copies
41	24841		Title: Pocket universal principles of UX	1
			Author: Pereyra, Irene	
			Publisher: Rockport: United States of America, 2024	
42	24842		Title: Finite difference methods for compressible two-fluid dynamics	1
			Author: Shahbazi, Khosro	
			Publisher: Springer: Switzerland, 2025	
43	24843		Title: Complex analysis	1
			Author: Hari Kishan	
			Publisher: Atlantic: New Delhi, 2026	
44	24844		Title: Holomorphic foliations with singularities	1
			Author: Scardua, Bruno	
			Publisher: Springer: Switzerland, 2021	
45	24845		Title: Object oriented approach to problem solving and machine learning with Python	1
			Author: Sujith Samuel Mathew	
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Back to Contents				

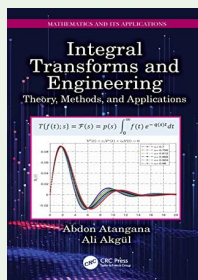
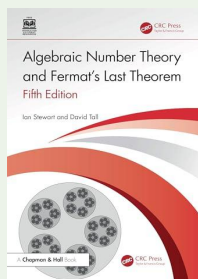
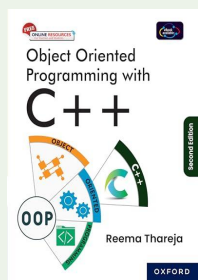
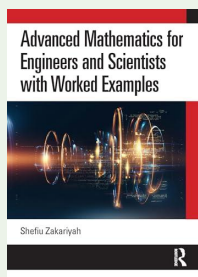
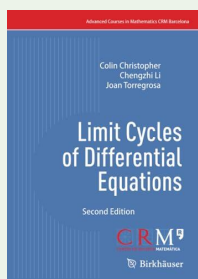
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Sl. No.	Acc. No.	Details of the Book		No. of Copies
46	24846		Title: Applied data science using PySpark	1
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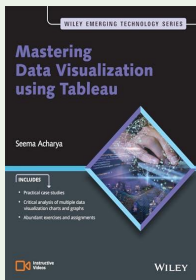
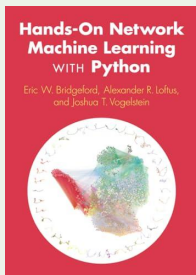
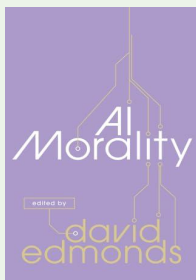
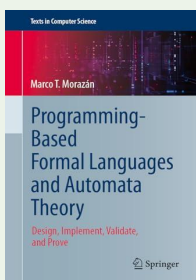
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