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Autore	Zvyagin Victor
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Altri autori (Persone)	VorotnikovDmitry A
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Nota di contenuto	Frontmatter -- Contents -- Chapter 1. Non-Newtonian flows -- Chapter 2. Basic function spaces. Embedding and compactness theorems -- Chapter 3. Operator equations in Banach spaces -- Chapter 4. Attractors of evolutionary equations in Banach spaces -- Chapter 5. Strong solutions for equations of motion of viscoelastic medium -- Chapter 6. Weak solutions for equations of motion of viscoelastic medium -- Chapter 7. The regularized Jeffreys model -- Backmatter
Sommario/riassunto	The authors present functional analytical methods for solving a class of partial differential equations. The results have important applications to the numerical treatment of rheology (specific examples are the behaviour of blood or print colours) and to other applications in fluid mechanics. A class of methods for solving problems in hydrodynamics is presented.