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Titolo	Padé Approximants Method and Its Applications to Mechanics [[electronic resource] /] / edited by H. Cabannes
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Collana	Lecture Notes in Physics, , 0075-8450 ; ; 47
Disciplina	620
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Lingua di pubblicazione	Inglese
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Nota di contenuto	The linear, functional equation approach to the problem of the convergence of Padé approximants -- Construction of variational bounds for the N-body eigenstate problem by the method of Pade approximations -- Rational polynomial approximants in N variables -- Convergence of rows of the Pade table -- The use of Pade approximation in numerical integration -- Determination of shock waves by convergence acceleration -- Cyclic iterative method applied to transonic flow analyses -- A technique for accelerating iterative convergence in numerical integration, with application in transonic aerodynamics -- The rise of a bubble in a fluid -- Rational approximations to the solution of the blunt-body & related problems -- Wave front expansions and Pade' approximants for transient waves in linear dispersive media -- Application of methods for acceleration of convergence to the calculation of singularities of transonic flows -- The use of Pade fractions in the calculation of nozzle flows -- A bibliography on Pade approximation and some related matters.