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Nota di contenuto	Intro -- OPERATORSPLITTINGSANDTHEIRAPPLICATIONS -- OPERATORSPLITTINGSANDTHEIRAPPLICATIONS -- Contents -- Preface -- Chapter1Introduction -- Chapter2OperatorSplitting: HistoryandMotivation -- Chapter3DescriptionandAnalysisoftheOperatorSplittings -- 3.1. ClassicalOperatorSplittings(Sequential,Strang-Marchuk) -- 3.2. NewOperatorSplittings(WeightedSplittings,AdditiveSplittings, IteratedSplittings) -- 3.2.1.WeightedSequentialSplitting -- 3.2.2. AdditiveSplitting -- 3.2.3.IteratedSplitting -- 3.3.AnExample -- 3.4. ActiveRichardson-ExtrapolatedSplittings -- Chapter4FurtherInvestigationsoftheOperatorSplittings -- 4.1. LocalErrorAnalysis -- 4.2.ConvergenceoftheOperatorSplittings -- 4.3. Higher-OrderConvergenceoftheOperatorSplittings -- Chapter5NumericalSolutionoftheSplitSub-Problems -- 5.1. CombinedDiscretizationMethods -- 5.2. ErrorAnalysisoftheCombinedDiscretizationMethods -- Chapter6TheApplicationofOperatorSplittingtoReal-LifeProblems -- 6.1. AirPollutionModelling -- 6.1.1. ExamplesofSplittingProceduresforAirPollutionModels -- 1.DEMsplitting -- 2.Physicalsplitting -- 3.UNI-DEMsplitting -- 6.1.2. SomeCommentsontheExamples -- 6.1.3. NumericalResultsObtainedbyRunningUNI-DEM -- 6.1.4.

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