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Review text: In a paedagogically oriented communication the authors emphasize that the divergent continued fractions may be analysed in a way resembling techniques of re-summation of divergent series. Having this type of application in mind they review the existing algorithms (with a few historical comments added), compare some of their properties (number of operations needed, etc) and illustrate their characteristic features (precision, stability and the rate of convergence) on a few tabulated numerical examples.