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Numerical integration based on spline approximation. (English) [Zbl 1015.65014](#)

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Numerical methods based on spline approximation for 2D integrals are considered. The methods are applied to Cauchy principal value integrals and finite part integrals arising from some engineering problems.

Reviewer: Plamen Yordanov Yalamov (Russe)

MSC:

65D32 Numerical quadrature and cubature formulas

41A55 Approximate quadratures

Keywords:

numerical integration; spline approximation; 2D integrals; Cauchy principal value integrals; finite part integrals