MINIMAL CUBATURE FORMULAS OF DEGREE 3 FOR A TORUS IN $\mathbb{R}^3$

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We construct minimal cubature formulas of degree 3 for a torus in $\mathbb{R}^3$. The cases of a degenerate torus with radius $r = 1$ and a torus with arbitrary radius $r > 1$ are considered separately.

Key words and phrases: cubature formula, torus, reproducing kernel.

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