## Optimal sets of quadrature rules in the Borges' sense for trigonometric polynomials

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In this article we consider the optimal sets of quadrature rules in the sense of Borges [1] for trigonometric polynomials of the both integer and semi-integer degree. Also, we consider the corresponding sets of quadrature rules when some of the nodes are fixed and prescribed in advance. In addition to the theoretical results, we will present the construction method and give appropriate numerical examples.

## References

 C. F. BORGES, On a class of Gauss-like quadrature rules, Numer. Math. 67 (1994), pp. 271-288.