

**A MIXED QUADRATURE RULE BY BLENDING
CLENSHAW-CURTIS AND LOBATTO QUADRATURE RULES
FOR APPROXIMATING REAL DEFINITE INTEGRALS**

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Abstract

A mixed quadrature rule blending Clenshaw-Curtis five point rule and Lobatto quadrature is formed. This mixed rule of precision 7 has been tested and found to be more effective than its constituent Clenshaw-Curtis five point rule.

Key Words : *Clenshaw-Curtis quadrature rule* $[R_{cc5}(f)]$, *Lobatto 4-point rule* $[R_{Lob4}(f)]$, *Degree of precision*, *Mixed quadrature quadrature rule* $[R_{cc5Lob4}(f)]$.

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