Double condensation of singularities for product-quadrature formulas with differentiable functions

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ABSTRACT.

The main goal of this paper is to emphasize the phenomenon of double condensation of singularities for spaces of differentiable functions with respect to product-quadrature formulas associated to a class of node triangular matrices in $[-1, 1]$, including a Gegenbauer node matrix and the matrix of equidistant nodes in $[-1, 1]$.

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