# Boundary Element Method Open Source Software in Matlab

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| File / Module(s) | OkQuadrature_tests.m / OkQuadrature_tests |
| Title | A set of tests to verify the geometrical input to codes for computing the discrete operators in the boundary element method. |
| Version(Date) and History | **1.** (September 2015). |
| Description | A description of the tests is illustrated on the spreadsheet OkQuadrature.xlsm. |
| Interface | Sub OkQuadrature_tests |
| Web source of code. | www.boundary-element-method.com/mfiles/OkQuadrature_tests.m |
| Web source of this guide | http://www.boundary-element-method.com/mfiles/OkQuadrature_tests_m.pdf |
| Web source of the algorithm | Not applicable |
| Dependent routines | Not Applicable |
| Test problems or modules tested | http://www.boundary-element-method.com/mfiles/OkQuadrature.m |
| Licence | This is 'open source'; the software may be used and applied within other systems as long as its provenance is appropriately acknowledged. See the GNU Licence for more information or contact webmaster@boundary-element-method.com . |
| Codes that this may be used alongside this one | Not applicable |
| Similar codes that may be of interest | A similar Fortran code is available:<br>http://www.boundary-element-method.com/fortran/VQUAD_TESTS.FOR<br>A similar code in Excel VBA is available:<br>www.boundary-element-method.com/Excel_VBA/OkQuadrature.xlsm |
| Applications | Not applicable |
| Author | Stephen Kirkup |
| References | 1. Introduction to Matlab/Freemat/Octave/Scilab<br>2. Fortran Tutorial<br>3. www.boundary-element-method.com<br>4. Numerical Integration (Quadrature) |