

Quadrature points and weights N = 40

-0.997708497224 2.791443932632e-007
-0.987989519293 7.798990632302e-007
-0.970755378671 1.686174519140e-006
-0.946404896087 3.574600437139e-006
-0.915464784542 7.802561197482e-006
-0.878541167499 1.765152540352e-005
-0.836275845036 4.104310591154e-005
-0.789310102915 9.670563754397e-005
-0.738258253985 2.272193902718e-004
-0.683690849610 5.239585092525e-004
-0.626126077516 1.168333300015e-003
-0.566027320102 2.486017618476e-003
-0.503804900847 4.990201775897e-003
-0.439820394763 9.357780270931e-003
-0.374392307766 1.626092465846e-002
-0.307802323080 2.601146500820e-002
-0.240301625269 3.810226686353e-002
-0.172117039367 5.090422850096e-002
-0.103456876948 6.184528397242e-002
-0.034516480605 6.820018798976e-002
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0.103456876948 6.184528397242e-002
0.172117039367 5.090422850096e-002
0.240301625269 3.810226686353e-002
0.307802323080 2.601146500820e-002
0.374392307766 1.626092465846e-002
0.439820394763 9.357780270931e-003
0.503804900847 4.990201775897e-003
0.566027320102 2.486017618476e-003
0.626126077516 1.168333300015e-003