Integration Techniques for Stokes Boundary Integrals MIKE NICHOLAS, Carthage College, TULANE UNIVERSITY CENTER FOR COMPUTATIONAL SCIENCE COLLABORATION — Stokes flow is often approached through a boundary integral formulation. The integrals involved are singular or nearly singular and therefore are not resolved well through standard quadrature methods. Various techniques to improve the accuracy of such integrals exist. We will present a brief survey of methods for singular and nearly singular Stokes integrals for both 2D and 3D flows.

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