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PDEs Vrushali A. Bokil Bokilv@math.oregonstate.edu
And Nathan L. Gibson Gibsonn@math.oregonstate.edu
Department Of Mathematics Oregon State University
Corvallis, OR DOE Multiscale Summer School June 30,
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FINITE ELEMENT METHODS FOR STOKES EQUATIONS 3
The Equation Is Well Posed Since $Q_2 L_2 \subset H_0^1(\Omega)$. If We Set $V = R$, Then $\text{Div } v = Q$ And $\|v\|_1 = \|Q\|_{-1}$. By The H^2 -regularity Result Of Poisson Equation. The Remaining Part Is To Verify The Boundary Condition.
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