Nomenclature:

a, b: Local Node Indices

A, B: Global Node Indices

p, q: Local Equation Indices

P, Q: Global Equation Indices

e: Element / Boundary Element (Edge) Index

l: Quadrature Point Index

h^e: Element Size

h: Mesh Size

k: Polynomial Degree

Superscript h: "Mesh" Quantity

Superscript k: "Polynomial Degree" Quantity

Superscript b: Boundary

n_{el}: Number of Elements

n_{elb}: Number of Boundary Elements (Edges)

n_{nod}: Number of Nodes

n_{en}: Number of Nodes on an Element

n_{enb}: Number of Nodes on a Boundary Element (Edge)

n_q: Number of Quadrature Points on an Element

n_{qb}: Number of Quadrature Points on a Boundary Element (Edge)

Ω^e: Element

Γ^e: Boundary Element (Edge)

$\vec{x}_A$: Global Node

$\vec{x}_a^e$: Element Node

N_A: Global Basis Function

N_a^e: Element Basis Function

$N_a^{e,b}$: Boundary Element (Edge) Basis Function

$\hat{\Omega}$: Parent Element

$\hat{\Gamma}$: Parent Boundary Element

$\hat{N}_a$: Shape Function

$\hat{N}_a^b$: Boundary Shape Function