b_i = number of basis functions (edges) in box i

L_λ = number of Legendre points in level λ

m = number of points in Lagrange polynomial interpolation

d_λ = diameter of every box in level λ

Data	Shape	Indexing			$\mathcal{I}_i^\mathcal{S}$	$\mathcal{I}_i^\mathcal{F}$	$\mathcal{I}_i^\mathcal{S}$	
Z_{ij}^{near}	$b_i \times b_j$	$\lambda_{max}, \mathcal{B}_i, \mathcal{B}_j : \mathcal{B}_j \in \mathcal{I}_i^\mathcal{N}$	r					
I_i	$b_i \times 1$	$\lambda_{max}, \mathcal{B}_i$	r	r				
V_i	$b_i \times 1$	$\lambda_{max}, \mathcal{B}_i$	w					w
$\hat{\kappa}$	$2(L_\lambda + 1) \times (L_\lambda + 1)$	λ						
F_{ij}	$2(L_\lambda + 1) \times (L_\lambda + 1)$	$\lambda_{max}, j \in \mathcal{B}_i$		r				
R_{ij}	$2(L_\lambda + 1) \times (L_\lambda + 1)$	$\lambda_{max}, j \in \mathcal{B}_i$						r
$\tilde{F}_i$	$2(L_\lambda + 1) \times (L_\lambda + 1)$	$\lambda, \mathcal{B}_i$		w	rw	r		
G_i	$2(L_\lambda + 1) \times (L_\lambda + 1)$	$\lambda, \mathcal{B}_i$				w	rw	r
$\mathcal{T}_i$	$2(L_\lambda + 1) \times (L_\lambda + 1)$	$\lambda, \mathcal{B}_i$				r		
$\mathcal{P}$	$m \times m$??	$\mathcal{P}_\theta, \mathcal{P}_\phi$			r		r	