Algorithm 2 Creates $[G]_{\text{sta}} \in \mathbb{R}^{m \times 3 \times 3}$ 1: procedure GSTA_ASSEMBLE #pragma omp parallel for 2: for i := 1, m do3: $G_{\text{elem}} \leftarrow 0$ 4: for k := 1, 4 do5: 6: for y := 1, g do 7: for x := 1, g do 8: $G_{\text{elem}} \leftarrow G_{\text{elem}} + \text{GenerateMatrixGsta}(i, k, x, y)$ \triangleright Return 3×3 matrix 9: $G[i] \leftarrow G_{\text{elem}}$