

**S1 Table. Relative degradation of the solution due to mesh element size.**  
 Measured by root mean square, the reference being the thinner mesh with a mesh element size of  $dh = 2.5 \mu\text{m}$ .

	$dh = 50 \mu\text{m}$	$dh = 20 \mu\text{m}$	$dh = 10 \mu\text{m}$	$dh = 5 \mu\text{m}$
$RMSE(dh, 2.5 \mu\text{m}, 400/dh)$	0.182	0.032	0.019	0.010