Mesh convergence

The convergence criterion adopted is proposed by Martinez-Reina et al. [9], computed as:

$$H = \frac{\int_V |\rho_i - \rho_{i-1}| dV}{\int_V \rho_{i-1} dV} < 0.0005 \quad (15)$$

where i refers to the current discretization and i−1 to the previous one. The densities are evaluated at the Gauss points. To compare the discretizations, the values from discretization i are interpolated at the Gauss points of discretization i−1. Figure S1 shows the convergence process for the homogeneous case. A similar result was obtained for the CT case, which is not shown as it is practically identical to that presented in the figure 1.

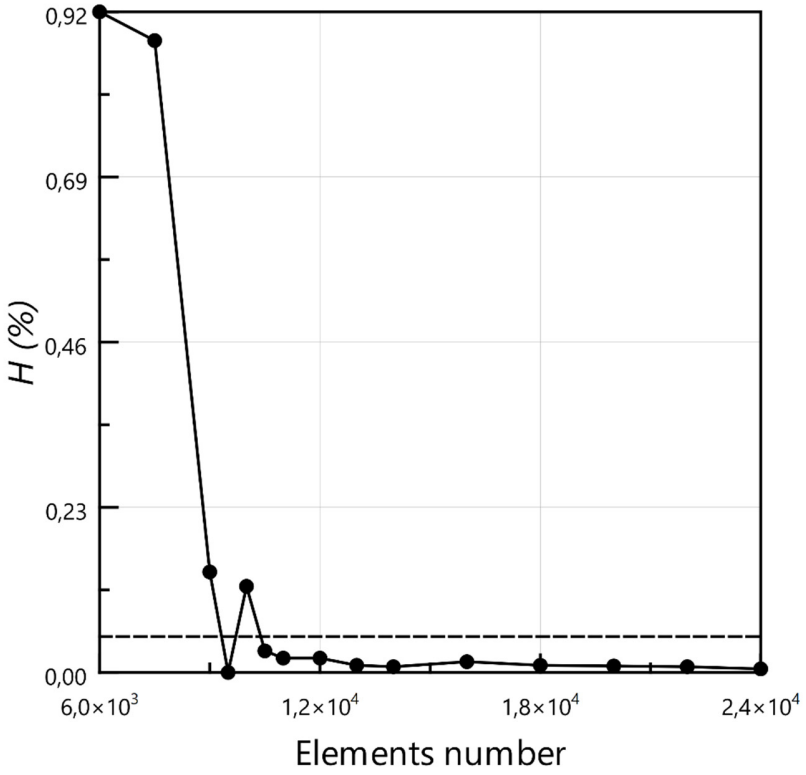


Figure S1