Modal shape elements:

$$\phi_{rj} = \sqrt{-2\xi_j \omega_j^2 \, \mathrm{Im}\left[H_{rr}\left(\omega_j\right)\right]}$$

$$\phi_{sj} = \frac{-2\xi_j \omega_j^2 \, \mathrm{Im}\left[H_{rs}\left(\omega_j\right)\right]}{\phi_{rj}}; \qquad\qquad s = 1,...,n \ \ y \ \ s \neq r$$

Where:

r = measurement point

s = excitation point

Φ = value of the modal shape

ζ = damping

ω = natural frequency mode j

Im[Hxx(ωj)]= Imaginary part of FRF between points X and X at resonance