

Results

Zeta=0,01 $F = 1\text{kN} \cdot \sin(360 \cdot 3 \cdot t)$

Loading applied in node 4 (outer coner)

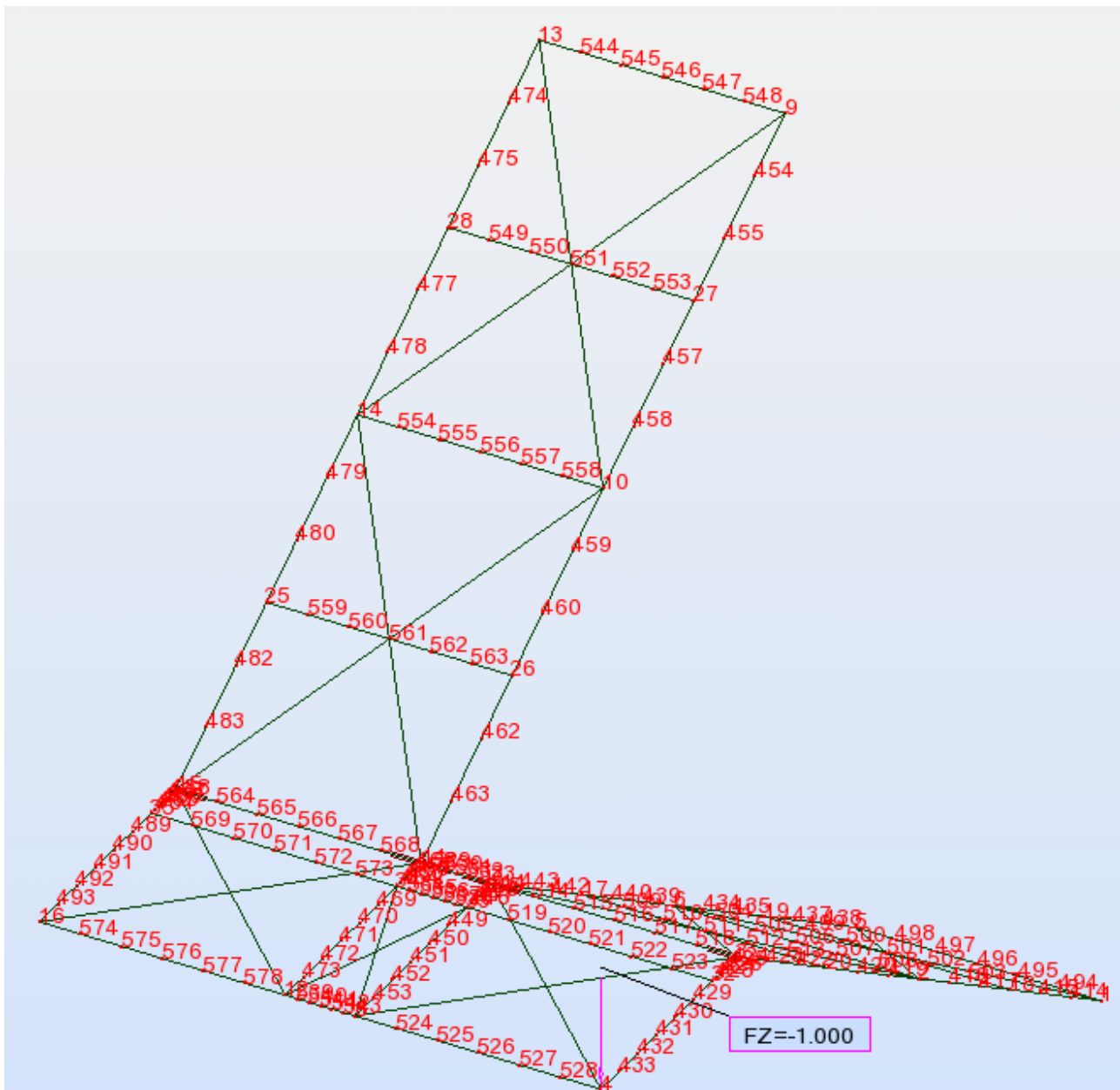
The image shows a screenshot of the 'Time History Analysis' software interface. The main window is titled 'Time History Analysis' and contains several settings:

- Case:** Time history analysis
- Method:** Hilber-Hughes-Taylor, Newmark method (acceleration)
- Time:** Time step: 0,01 (s), Division: 10, End: 8 (s)
- Non-linearity:** Non-linear analysis, P-delta analysis
- Alpha:** 0
- Consider:** Consider
- Time history:** Case: 20: PKT, No. 20

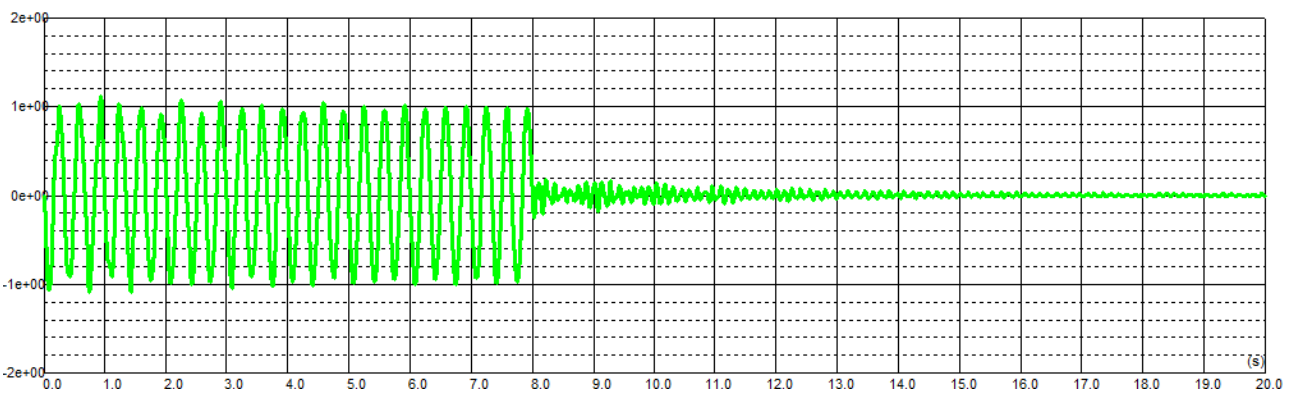
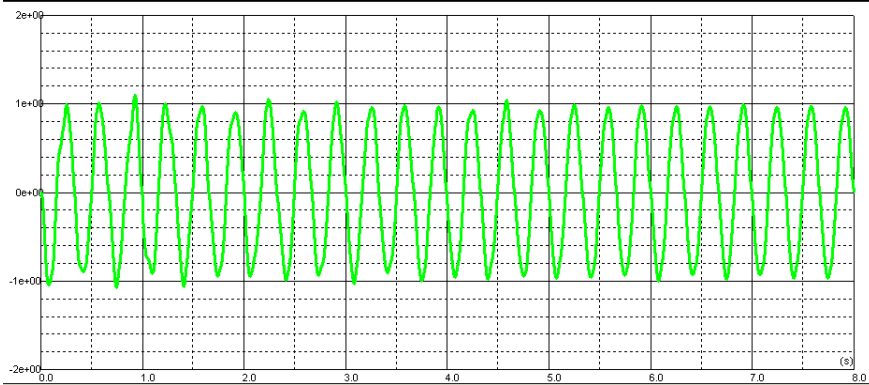
A 'Rayleigh Damping' dialog box is open in the foreground, showing the following parameters:

- Parameters:** alpha: 0,453574, beta: 0,000219676
- Frequency Damping:** ω_1 : 42,788, ξ_1 : 0,01; ω_2 : 48,255, ξ_2 : 0,01
- Buttons:** Calculate Alpha and Beta, OK, Cancel, Help

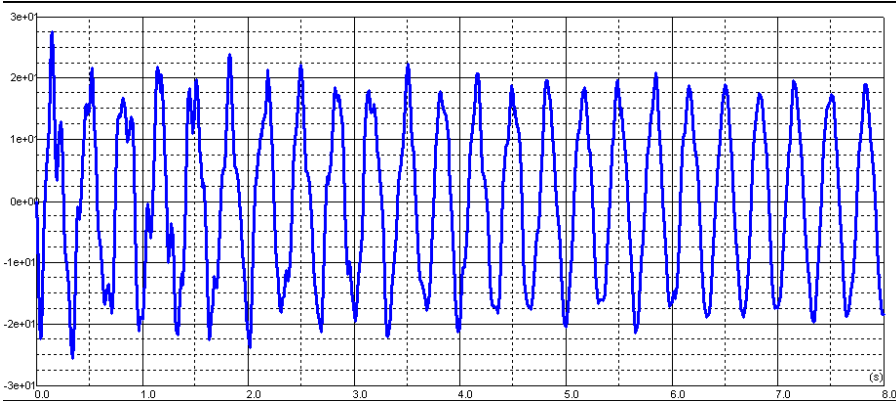
At the bottom of the main window, there is a plot showing the time history of the response. The x-axis is labeled 'Time (s)' and ranges from 0.0 to 8.0. The y-axis ranges from -1.0 to 1.0. The plot displays a highly oscillatory signal, characteristic of a forced vibration response.

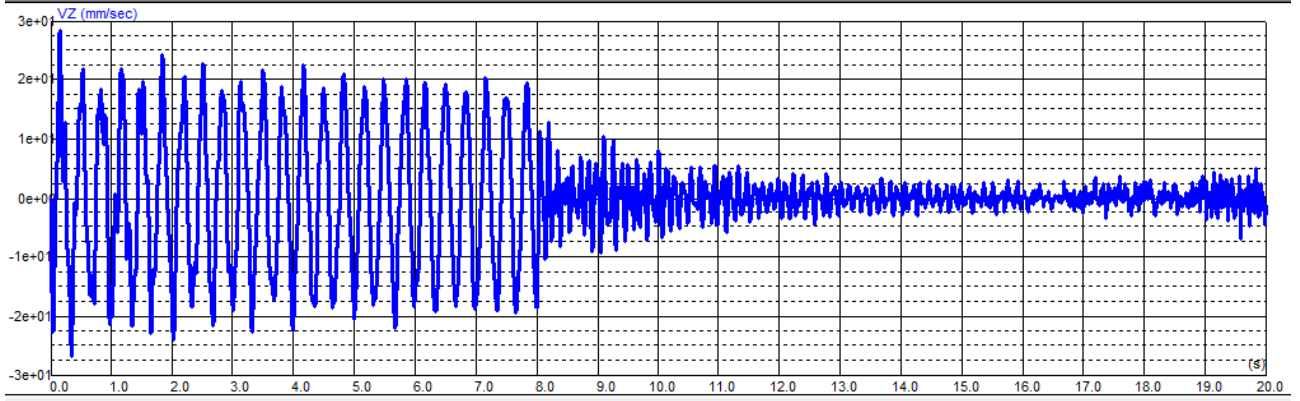


Uz4(t)

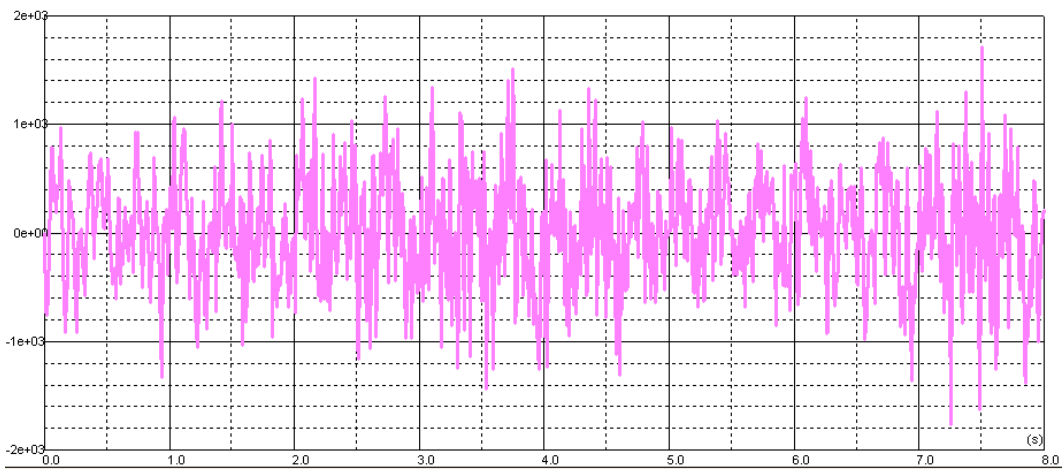


Vz4(t)





$Az_4(t)$



$Az_4(t) = \text{pink} / Az_{551}(t) = \text{green}$

