Literature of damping

According to Eurocode National annex of Denmark, the logarithmic decrement is estimated to delta=0,05 for steel structures. This yields a damping ratio of:

$$\chi = \frac{\delta}{\sqrt{4 \cdot \pi^2 + \delta^2}} = 0.008$$

Also advisors desk, AD330 Vibration of staircases, suggest a low damping ratio of 0,5% (Zeta= 0,005).