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- |  |  |
|--|--|
| $h_j$ = height [cm] above ground                       | $h_i$ = height [cm] of the joint above ground    |
| $D_j$ = stem diameter [mm]                             | $D_i$ = diameter [mm] of a model bar             |
| $\mu_j$ = mass per unit length [g/cm]                  | $m_i$ = mass [g] of a model bar                  |
| $E \cdot J_j$ = bending stiffness [N·cm <sup>2</sup> ] | $c_j$ = spring stiffness [N·cm/rad] of the joint |
| $M_{Gr}$ = critical moment [N·cm]                      | $d_i$ = damping constant [N·cm·s/rad]            |
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| $H_w$ = wave height [cm]                                     | $T_w$ = wave period [s] |
| $M_{1...4}$ = positive bending moment [N·cm] at the 4 joints |                         |
| $\sigma$ = mean square root ("standard deviation")           |                         |
| $max$ = maximum value  |                         |
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