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<tr>
<td>$A$</td>
<td>Pile cross sectional area</td>
</tr>
<tr>
<td>$E$</td>
<td>Pile elastic modulus</td>
</tr>
<tr>
<td>$c$</td>
<td>Stress wave velocity</td>
</tr>
<tr>
<td>$f$</td>
<td>Computed bending stress</td>
</tr>
<tr>
<td>$f_{pc}$</td>
<td>Effective pre-stressed strength</td>
</tr>
<tr>
<td>$f_{ult}$</td>
<td>Ultimate tensile stress</td>
</tr>
<tr>
<td>FFT</td>
<td>Fast Fourier Transform</td>
</tr>
<tr>
<td>$L$</td>
<td>Pile length</td>
</tr>
<tr>
<td>$M$</td>
<td>Bending moment</td>
</tr>
<tr>
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</tr>
<tr>
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</tr>
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<td>$Q_s$</td>
<td>Ultimate pile shaft resistance</td>
</tr>
<tr>
<td>$S$</td>
<td>Section modulus</td>
</tr>
<tr>
<td>$T$</td>
<td>Time between the start of a hammer blow</td>
</tr>
<tr>
<td>$W_p$</td>
<td>Weight of pile</td>
</tr>
<tr>
<td>$Z$</td>
<td>Pile impedance</td>
</tr>
<tr>
<td>$\rho$</td>
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</tr>
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