| Symbol | Unit | Meaning |
|---|---|---|
| F (i, k) | dB | *Delta-dB.* The difference between the original sound pressure level and the final background sound pressure level in the i-th one-third octave band at the k-th interval of time. In this case, background sound pressure level means the broadband noise level that would be present in the one-third octave band in the absence of the tone. |
| h | dB | *dB-down.* The value to be subtracted from PNLTM that defines the duration of the noise. |
| H | Percent | *Relative humidity.* The ambient atmospheric relative humidity. |
| i | | *Frequency band index.* The numerical indicator that denotes any one of the 24 one-third octave bands with geometrical mean frequencies from 50 to 10,000 Hz. |
| k | | *Time increment index.* The numerical indicator that denotes the number of equal time increments that have elapsed from a reference zero. |
| Log | | Logarithm to the base 10. |
| log n(a) | | *Noy discontinuity coordinate.* The log n value of the intersection point of the straight lines representing the variation of SPL with log n. |
| M(b), M(c), etc. | | *Noy inverse slope.* The reciprocals of the slopes of straight lines representing the variation of SPL with log n. |
| n | noy | The perceived noisiness at any instant of time that occurs in a specified frequency range. |
| n(i,k) | noy | The perceived noisiness at the k-th instant of time that occurs in the i-th one-third octave band. |
| n(k) | noy | *Maximum perceived noisiness.* The maximum value of all of the 24 values of n(i) that occurs at the k-th instant of time. |
| N(k) | noy | *Total perceived noisiness.* The total perceived noisiness at the k-th instant of time calculated from the 24-instantaneous values of n (i, k). |
| p(b), p(c), etc | | *Noy slope.* The slopes of straight lines representing the variation of SPL with log n. |
| PNL | PNdB | The perceived noise level at any instant of time. (The unit PNdB is used instead of the unit dB). |
| PNL(k) | PNdB | The perceived noise level calculated from the 24 values of SPL (i, k), at the k-th increment of time. (The unit PNdB is used instead of the unit dB). |
| PNLM | PNdB | *Maximum perceived noise level.* The maximum value of PNL(k). (The unit PNdB is used instead of the unit dB). |
| PNLT | TPNdB | *Tone-corrected perceived noise level.* The value of PNL adjusted for the spectral irregularities that occur at any instant of time. (The unit TPNdB is used instead of the unit dB). |
| PNLT(k) | TPNdB | The tone-corrected perceived noise level that occurs at the k-th increment of time. PNLT(k) is obtained by adjusting the value of PNL(k) for the spectral irregularities that occur at the k-th increment of time. (The unit TPNdB is used instead of the unit dB). |
| PNLTM | TPNdB | *Maximum tone-corrected perceived noise level.* The maximum value of PNLT(k). (The unit TPNdB is used instead of the unit dB). |
| $PNLT_r$ | TPNdB | Tone-corrected perceived noise level adjusted for reference conditions. |
| s (i, k) | dB | *Slope of sound pressure level.* The change in level between adjacent one-third octave band sound pressure levels at the i-th band for the k-th instant of time. |
| $\Delta$s (i, k) | dB | Change in slope of sound pressure level. |
| s′ (i, k) | dB | Adjusted slope of sound pressure level. The change in level between adjacent adjusted one-third octave band sound pressure levels at the i-th band for the k-th instant of time. |
| $\bar{s}$ (i, k) | dB | Average slope of sound pressure level. |
| SPL | dB re 20 μPa | *Sound pressure level.* The sound pressure level that occurs in a specified frequency range at any instant of time. |
| SPL(a) | dB re 20 μPa | *Noy discontinuity coordinate.* The SPL value of the intersection point of the straight lines representing the variation of SPL with log n. |
| SPL(b) SPL (c) | dB re 20 μPa | *Noy intercept.* The intercepts on the SPL-axis of the straight lines representing the variation of SPL with log n. |
| SPL (i, k) | dB re 20 μPa | The sound pressure level at the k-th instant of time that occurs in the i-th one-third octave band. |