

| 確率雨量強度式算定表 |            |            |                                            | (延 岡)                                | [令和6年まで]                                                          |                      |                                            |
|------------|------------|------------|--------------------------------------------|--------------------------------------|-------------------------------------------------------------------|----------------------|--------------------------------------------|
| N(年)       | $I_N^{10}$ | $I_N^{60}$ | $\beta_N^{10} = \frac{I_N^{10}}{I_N^{60}}$ | $\sqrt{60} - \sqrt{10} \beta_N^{10}$ | $b = \frac{\sqrt{60} - \sqrt{10} \beta_N^{10}}{\beta_N^{10} - 1}$ | $a' = b + \sqrt{60}$ | $I_N = \frac{a'}{\sqrt{t} + b}$ $I_N^{60}$ |
| 200        | 179.9      | 103.5      | 1.738                                      | 2.250                                | 3.049                                                             | 10.795               | $I = \frac{1,117}{\sqrt{t} + 3.049}$       |
| 150        | 175.9      | 100.4      | 1.752                                      | 2.206                                | 2.934                                                             | 10.680               | $I = \frac{1,072}{\sqrt{t} + 2.934}$       |
| 100        | 170.2      | 96.1       | 1.771                                      | 2.146                                | 2.783                                                             | 10.529               | $I = \frac{1,012}{\sqrt{t} + 2.783}$       |
| 70         | 165.0      | 92.3       | 1.788                                      | 2.092                                | 2.655                                                             | 10.401               | $I = \frac{960}{\sqrt{t} + 2.655}$         |
| 50         | 160.0      | 88.6       | 1.806                                      | 2.035                                | 2.525                                                             | 10.271               | $I = \frac{910}{\sqrt{t} + 2.525}$         |
| 30         | 152.2      | 83.0       | 1.834                                      | 1.946                                | 2.333                                                             | 10.079               | $I = \frac{837}{\sqrt{t} + 2.333}$         |
| 20         | 145.7      | 78.4       | 1.858                                      | 1.870                                | 2.179                                                             | 9.925                | $I = \frac{778}{\sqrt{t} + 2.179}$         |
| 15         | 140.9      | 75.1       | 1.876                                      | 1.814                                | 2.071                                                             | 9.817                | $I = \frac{737}{\sqrt{t} + 2.071}$         |
| 10         | 133.8      | 70.3       | 1.903                                      | 1.728                                | 1.914                                                             | 9.660                | $I = \frac{679}{\sqrt{t} + 1.914}$         |
| 5          | 120.4      | 61.6       | 1.955                                      | 1.564                                | 1.638                                                             | 9.384                | $I = \frac{578}{\sqrt{t} + 1.638}$         |
| 3          | 108.9      | 54.3       | 2.006                                      | 1.402                                | 1.394                                                             | 9.140                | $I = \frac{496}{\sqrt{t} + 1.394}$         |
| 2          | 97.6       | 47.6       | 2.050                                      | 1.263                                | 1.203                                                             | 8.949                | $I = \frac{426}{\sqrt{t} + 1.203}$         |