## Fingerings for three-octave major and minor scales on violin

Major scales (take the same path descending as ascending)
G $\quad 01234$ | $12-1234|1234| 12-12344$
$\mathbf{A b}$-Db 1234 | 1234 | 12-1234 | 123-12344
D 01234 | 12-1234 | 123-123-12344
Eb-F\# 1234 | 123-1234 | 123-123-12344
" " indicates a string crossing
"-" indicates a shift
Highest note appears in bold

## Minor scales



| Rhythmic <br> value | Notes <br> per bow |
| :--- | :--- |
| Half | 1 |

Quarter 2

Triplet quarter 3
Eighth 4
Triplet eighth 6
Sixteenth 8
Triplet sixteenth 12
Thirty-second 24
Triplet thirty-second 24

Tempo: $d=60$
Galamian turn: add the scale degrees 3,2 , and 1 after the lowest note of the scale, both at the beginning and the end of each repetition of the scale

