

|               | C   | Db   | D   |
|---------------|---|--|---|
| Major         | 3 2 0 1 0<br>1 2 3 4<br>C                   | 1 2 3 4 1<br>4 5 6 7<br>C#(Db)               | 0 0 1 3 2<br>1 2 3 4<br>D                 |
| Major 7th     | 3 2 0 0 0<br>1 2 3 4<br>C <sup>M7</sup>     | 1 1 3 2 4 1<br>3 4 5 6<br>C# <sup>M7</sup>   | 0 0 1 1 1<br>1 2 3 4<br>D <sup>M7</sup>   |
| Minor         | 1 1 3 4 2 1<br>3 4 5 6<br>C <sup>m</sup>    | 1 3 4 2 1<br>4 5 6 7<br>C# <sup>m</sup>      | 0 0 2 3 1<br>1 2 3 4<br>D <sup>m</sup>    |
| Minor 7th     | 1 1 3 1 2 1<br>3 4 5 6<br>C <sup>m7</sup>   | 1 3 1 2 1<br>4 5 6 7<br>C# <sup>m7</sup>     | 0 0 2 1 1<br>1 2 3 4<br>D <sup>m7</sup>   |
| Suspended 4th | 1 1 2 3 4 1<br>3 4 5 6<br>C <sup>sus4</sup> | 1 1 2 3 4 1<br>4 5 6 7<br>C# <sup>sus4</sup> | 0 0 1 3 4<br>1 2 3 4<br>D <sup>sus4</sup> |
| Augment       | 3 2 1 1 4<br>1 2 3 4<br>C <sup>+</sup>      | 4 2 3 1<br>1 2 3 4<br>C# <sup>+</sup>        | 0 2 3 1<br>1 2 3 4<br>D <sup>+</sup>      |
| 7th           | 3 2 4 1 0<br>1 2 3 4<br>C <sup>7</sup>      | 3 2 4 1<br>1 2 3 4<br>C# <sup>7</sup>        | 0 0 2 1 3<br>1 2 3 4<br>D <sup>7</sup>    |
| 9th           | 2 1 3 4<br>1 2 3 4<br>C <sup>9</sup>        | 2 1 3 4<br>1 2 3 4<br>C# <sup>9</sup>        | 2 1 3 4<br>4 5 6 7<br>D <sup>9</sup>      |
| 11th          | 2 3 4 1<br>1 2 3 4<br>C <sup>11</sup>       | 2 3 4 1<br>1 2 3 4<br>C# <sup>11</sup>       | 0 2 1 3<br>1 2 3 4<br>D <sup>11</sup>     |

|                      | <b>E<sub>b</sub></b>   | <b>E</b>  | <b>F</b>   |
|----------------------|--|---|--|
| <b>Major</b>         | 1 1 2 3 4 1<br>6 ● ● ● ● ●<br>7<br>8 ● ● ● ●<br>9<br>E <sub>b</sub> (D <sub>b</sub> )    | 0 2 3 1 0 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3<br>4<br>E                        | 1 3 4 2 1 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F             |
| <b>Major 7th</b>     | 1 1 3 2 4 1<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E <sub>b</sub> M7       | 4 3 1 1 1<br>4 ● ● ● ● ●<br>5 ● ● ● ● ●<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>E M7   | 3 4 2 1 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F M7            |
| <b>Minor</b>         | 1 1 3 4 2 1<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E <sub>b</sub> m        | 0 2 3 0 0 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3<br>4<br>E m                      | 1 3 4 1 1 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F m           |
| <b>Minor 7th</b>     | 1 1 3 1 2 1<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E <sub>b</sub> m7       | 0 2 3 0 4 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>E m7 | 1 3 1 1 1 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F m7          |
| <b>Suspended 4th</b> | 1 1 2 3 4 1<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E <sub>b</sub> s4       | 0 2 3 4 0 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>E s4           | 1 2 3 4 1 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F s4          |
| <b>Augmented</b>     | 4 2 3 1<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>5 ● ● ● ● ●<br>6<br>E <sub>b</sub> +            | 3 1 2 0<br>4 ● ● ● ● ●<br>5 ● ● ● ● ●<br>6 ● ● ● ● ●<br>7<br>E +                | 0 4 2 3 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F +             |
| <b>7th</b>           | 1 1 3 1 4 1<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E <sub>b</sub> 7        | 0 2 0 1 0 0<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3<br>4<br>E 7                      | 1 3 1 2 1 1<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4<br>F 7           |
| <b>9th</b>           | 2 1 3 4<br>5 ● ● ● ● ●<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8<br>E <sub>b</sub> 9            | 2 1 3 4<br>6 ● ● ● ● ●<br>7 ● ● ● ● ●<br>8 ● ● ● ● ●<br>9<br>E 9                | 1 3 1 2 1 4<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>F 9 |
| <b>11th</b>          | 1 3 2 4<br>1 ● ● ● ● ●<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>E <sub>b</sub> 11 | 1 3 2 4<br>2 ● ● ● ● ●<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>5 ● ● ● ● ●<br>E 11     | 1 3 2 4<br>3 ● ● ● ● ●<br>4 ● ● ● ● ●<br>5 ● ● ● ● ●<br>6 ● ● ● ● ●<br>F 11    |

|                      | Gb                               | G                               | Ab                               |
|----------------------|----------------------------------|---------------------------------|----------------------------------|
| <b>Majr</b>          | 1 3 4 2 1 1<br>1 2 3 4<br>F#(Gb) | 3 2 0 0 0 4<br>1 2 3 4<br>G     | 1 3 4 2 1 1<br>1 2 3 4<br>Ab(G#) |
| <b>Majr 7th</b>      | 4 3 2 1<br>1 2 3 4<br>F#M7       | 3 2 0 0 0 1<br>1 2 3 4<br>GM7   | 4 3 2 1<br>1 2 3 4<br>AbM7       |
| <b>Minor</b>         | 1 3 4 1 1 1<br>1 2 3 4<br>F#m    | 1 3 4 1 1 1<br>1 2 3 4<br>Gm    | 1 3 4 1 1 1<br>1 2 3 4<br>Abm    |
| <b>Minor 7th</b>     | 1 3 1 1 1 1<br>1 2 3 4<br>F#m7   | 1 3 1 1 1 1<br>1 2 3 4<br>Gm7   | 1 3 1 1 1 1<br>1 2 3 4<br>Abm7   |
| <b>Suspended 4th</b> | 1 2 3 4 1 1<br>1 2 3 4<br>F#sus4 | 1 2 3 4 1 1<br>1 2 3 4<br>Gsus4 | 1 2 3 4 1 1<br>1 2 3 4<br>Absus4 |
| <b>Augment</b>       | 4 2 3 1<br>1 2 3 4<br>F#+        | 4 2 3 1<br>1 2 3 4<br>G+        | 4 2 3 1<br>1 2 3 4<br>Ab+        |
| <b>7th</b>           | 1 3 1 2 1 1<br>1 2 3 4<br>F#7    | 3 2 0 0 0 1<br>1 2 3 4<br>G7    | 1 3 1 2 1 0<br>1 2 3 4<br>Ab7    |
| <b>9th</b>           | 1 3 1 1 1 4<br>1 2 3 4<br>F#9    | 1 3 1 2 1 4<br>1 2 3 4<br>G9    | 1 3 1 2 1 4<br>1 2 3 4<br>Ab9    |
| <b>11th</b>          | 1 3 2 4<br>1 2 3 4<br>F#11       | 3 4 2 1<br>1 2 3 4<br>G11       | 3 4 2 1<br>1 2 3 4<br>Ab11       |

|               | A   | Bb  | B   |
|---------------|---|---|---|
| Major         | 0 0 2 3 4 0<br>1<br>2 ● ● ●<br>3<br>4                   | 1 1 2 3 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 2 3 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ● |
| Major 7th     | 0 0 2 1 3 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 2 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 2 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ● |
| Minor         | 0 0 2 3 1 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 4 2 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 4 2 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ● |
| Minor 7th     | 0 2 0 1 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4   | 1 1 3 1 2 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 1 2 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ● |
| Suspended 4th | 0 0 1 2 3 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 2 3 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 2 3 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ● |
| Augmented     | 4 2 3 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4     | 4 2 3 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4     | 2 1 0 0 4<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4           |
| 7th           | 0 0 2 0 3 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 1 3 1 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 2 1 3 0 4<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4           |
| 9th           | 1 3 1 2 1 4<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 | 1 0 2 3 4<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4   | 2 1 3 4<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4             |
| 11th          | 0 1 0 3 0<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4   | 1 3 1 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4   | 1 3 1 4 1<br>1 ● ● ● ●<br>2 ● ● ● ●<br>3 ● ● ● ●<br>4 ● ● ● ●   |