Bernd Hamann **2025**

Fingering Scales

Major, Relative Minor and Harmonic Minor

Key	Left	Right
F#	432132143213212	234123123412312
D#m	214321321432132	212341231234123
D#mh	214321321432132	212341231234123
B	432143213214321	123123412312345
G#m	321321432132132	231231234123123
G#mh	321432132143212	231231234123123
E	543213214321321	123123412312345
C#m	321432132143212	231231234123123
C#mh	321432132143212	231231234123123
A	543213214321321	123123412312345
F#m	432132143213212	231231234123123
F#mh	432132143213212	231231234123123

D	**543213214321321**	**123123412312345**
Bm	**432143213214321**	**123123412312345**
Bmh	**432143213214321**	**123123412312345**
G	**543213214321321**	**123123412312345**
Em	**543213214321321**	**123123412312345**
Emh	**543213214321321**	**123123412312345**
C	**543213214321321**	**123123412312345**
Am	**543213214321321**	**123123412312345**
Amh	**543213214321321**	**123123412312345**
F	**543213214321321**	**123412312341234**
Dm	**543213214321321**	**123123412312345**
Dmh	**543213214321321**	**123123412312345**
Bb	**321432132143212**	**212312341231234**
Gm	**543213214321321**	**123123412312345**
Gmh	**543213214321321**	**123123412312345**

Eb	**321432132143212**	**212341231234123**
Cm	**543213214321321**	**123123412312345**
Cmh	**543213214321321**	**123123412312345**
Ab	**321432132143212**	**231231234123123**
Fm	**543213214321321**	**123412312341234**
Fmh	**543213214321321**	**123412312341234**
Db	**321432132143212**	**231234123123412**
Bbm	**213214321321432**	**212312341231234**
Bbmh	**213214321321432**	**212312341231234**

Am = A minor (relative) etc.

Amh = A minor (harmonic) etc.

Gb, Ebm, Ebmh = F#, D#m, D#mh

Cb, Abm, Abmh = B, G#m, G#mh

Arpeggio Triad Fingering for Two Octaves

Major and Relative Minor Triads

	Left	Right		Left	Right
F#	5321321	1231235	d#	5421421	1231235
B	5321321	1231235	g#	2142142	2124124
E	5321321	1231235	c#	2142142	2124124
A	5321321	1231235	f#	2142142	2124124
D	5321321	1231235	b	5421421	1231235
G	5421421	1231235	e	5421421	1231235
C	5421421	1231235	a	5421421	1231235
F	5421421	1231235	d	5421421	1231235
Bb	3213213	2124124	g	5421421	1231235
Eb	2142142	2124124	c	5421421	1231235
Ab	2142142	2124124	f	5421421	1231235
Db	2142142	2124124	bb	3213213	2312312

B = Cb, F# = Gb, C# = Db / g# = ab, d# = eb, a# = bb

Arpeggio Triad Fingering & Use for Two Octaves

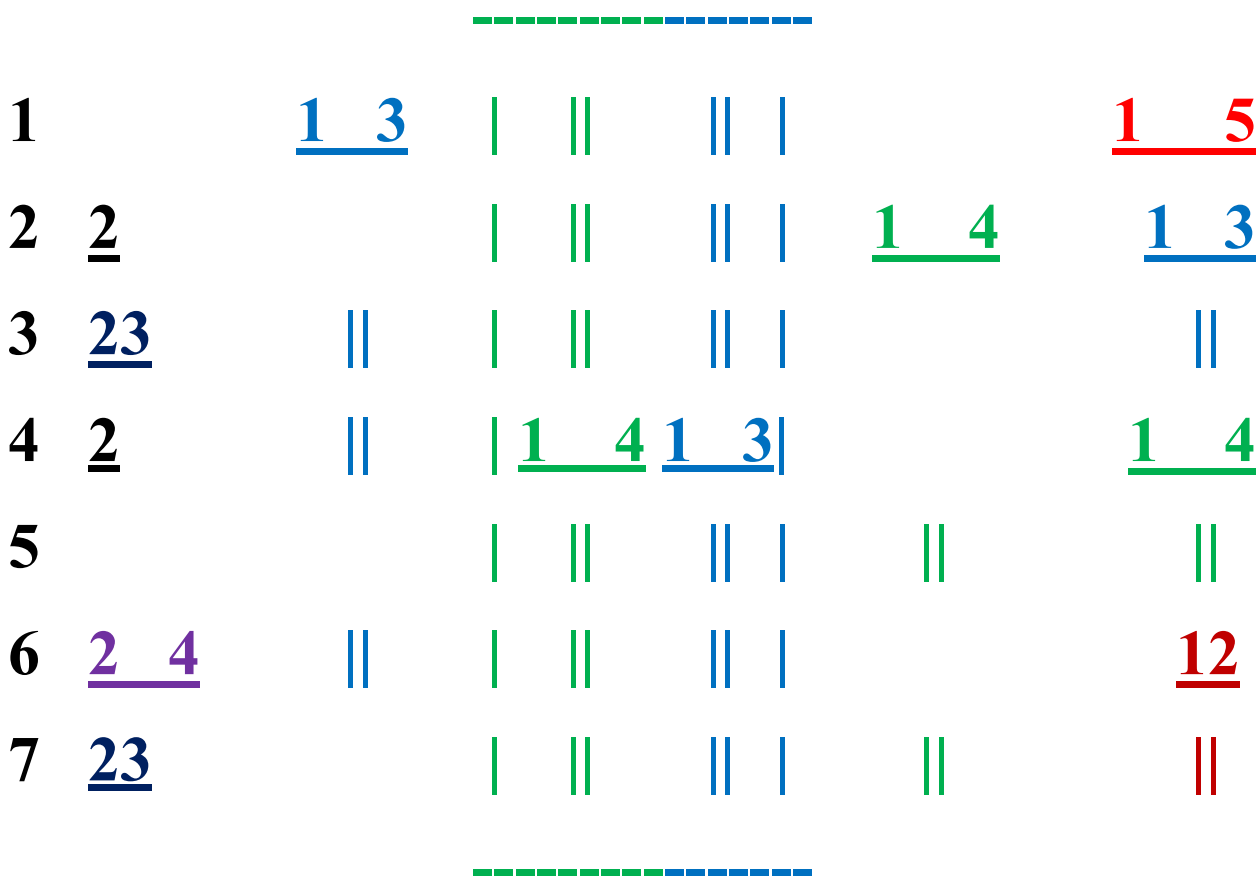
Major and Relative Minor Triads

	Left-hand Fingering	Right-hand Fingering
1	5 321 321 (right refl.)	123 123 5 (left refl.)
maj	D, A, E, B, F#	F, C, G, D, A, E, B, F#
min		f, c, g, d, a, e, b, d#
2	5 421 421	2 124 124
maj	F, C, G	Bb, Eb, Ab, Db
min	f, c, g, d, a, e, b, d#	f#, c#, g#
3	21 421 42	23 123 12
maj	Eb, Ab, Db	
min	f#, c#, g#	bb
4	321 321 3	
maj	Bb	
min	bb	

Note. The left-hand fingering sequences (5) 321 and (5) 421 and the right-hand fingering sequences 123 (5) and 124 (5) are very similar.

FINGERING FOR TWO OCTAVES -- NOTES 1 TO 15

← Note 1 --- Right-hand Pattern (Reflected for Left Hand) -- Note 15 →



	LEFT - Reflected Pattern Use	RIGHT - Pattern Use
1	F, C, G, D, A, E / f, c, g, d, a, e	C, G, D, A, E, B [Cb] / c, g, d, a, e, b
2	Bb, Eb, Ab, Db [C#] / c# / g#h [abh]	Eb / d# [eb]
3	g# [ab]	Ab / f#, c#, g# [ab] / g#h [abh]
4	F# [Gb] / f#	Bb / bb [a#]
5	B [Cb] / b	F / f
6	bb [a#]	F# [Gb]
7	d# [eb]	Db [C#]

FINGERING FOR TWO OCTAVES (RIGHT HAND) Right-hand Fingering to Be Reflected for Left Hand

Octave 1 …… Octave 2 ……

I – II – III – IV – V – VI – VII ------- I – II – III – IV – V – VI – VII ----- I

1	1----3	1----------4 1-----3 1----------5
2	2 1--------4	1--------3 1--------4 1------3
3	2-3	1-----3 1---------- 4 1-----3 1------3
4	2 1-----3	1----------4 1----3 1--------- 4
5	1------4	1-----3 1------ 4 1--------- 4
6	2----4	1------ 3 1----------4 1-----3 1---2
7	2-3	1-------- 4 1------ 3 1 -------4 1---2

	Left-hand Use (Reflected)	Right-hand Use
1	F, C, G, D, A, E / f, c, g, d, a, e	C, G, D, A, E, B [Cb] / c, g, d, a, e, b
2	Bb, Eb, Ab, Db [C#] / c# / g#h [abh]	Eb / d# [eb]
3	g# [ab]	Ab / f#, c#, g# [ab] / g#h [abh]
4	F# [Gb] / f#	Bb / bb [a#]
5	B [Cb] / b	F / f
6	bb [a#]	F# [Gb]
7	d# [eb]	Db [C#]

RULE (right hand): Use FINGER 1 on WHITE KEYS ONLY → 1st KEY is WHITE → F INGER 1 FIRST; 1st KEY is BLACK → FINGER 2 FIRST.

Other Representations for Right-hand Fingerings

Combining Note and Finger for a Scale

1: C1 D2 E3 F1 G2 A3 B4 C1 D2 E3 F1 G2 A3 B4 C5

2: e2 F1 G2 a3 b4 C1 D2 e3 F1 G2 a3 b4 C1 D2 e3

3: a2 b3 C1 d2 e3 F1 G2 a3 b4 C1 d2 e3 F1 G2 a3

4: b2 C1 D2 e3 F1 G2 A3 b4 C1 D2 e3 F1 G2 A3 b4

5: F1 G2 A3 b4 C1 D2 E3 F1 G2 A3 b4 C1 D2 E3 F4

6: g2 a3 b4 c1 d2 e3 F1 g2 a3 b4 c1 d2 e3 F1 g2

7: d2 e3 F1 g2 a3 b4 C1 d2 e3 F1 g2 a3 b4 C1 d2

Listing Fingers under Notes for a Scale

C	d	D	e	E	F	g	G	a	A	b	B	C
1		2		3	1		2		3		4	1(5)
1		2	2(3)		1		2	3		4		1

Listing Fingers for a Scale above the Keyboard

```
  1…2…3…1….2…3…4…1…2…3….1…2…3….4…5
|   *   *   |   *   *   *   |   *   *   |   *   *   *   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
  C   D   E   F   G   A   B   C   D   E   F   G   A   B   C
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FINGER 1 AVOIDING BLACK (RIGHT HAND): Black = b, White = w

Octave 1 …… Octave 2 ……

I – II – III – IV – V – VI – VII ------- I – II – III – IV – V – VI – VII ----- I

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1 1----3 1----------4 1-----3 1-------------5

w** w*** w** w***w

2 2 1---------4 1---------3 1---------4 1-------3

b w*** w** w*** w**

3 2-3 1------3 1---------- 4 1------3 1------3

bb w** w*** w** w**

4 2 1-----3 1-------------4 1-----3 1---------- 4

b w** w*** w** w***

5 1-------4 1------3 1------- 4 1---------- 4

w*** w** w*** w***

6 2----4 1------ 3 1----------4 1------3 1--2

bbb w*** w*** w** *b

7 2-3 1--------- 4 1------- 3 1 -------4 1--2

bb w*** w** w*** *b

	Left-hand Use (Reflected)	Right-hand Use
1	F, C, G, D, A, E / f, c, g, d, a, e	C, G, D, A, E, B [Cb] / c, g, d, a, e, b
2	Bb, Eb, Ab, Db [C#] / c# / g#h [abh]	Eb / d# [eb]
3	g# [ab]	Ab / f#, c#, g# [ab] / g#h [abh]
4	F# [Gb] / f#	Bb / bb [a#]
5	B [Cb] / b	F / f
6	bb [a#]	F# [Gb]
7	d# [eb]	Db [C#]