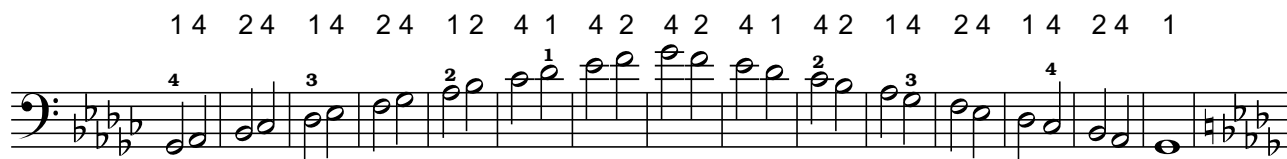
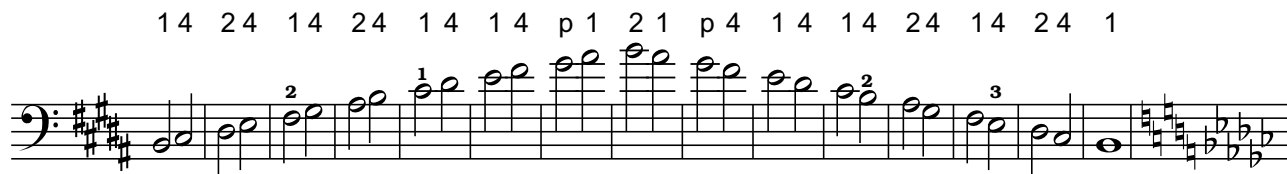
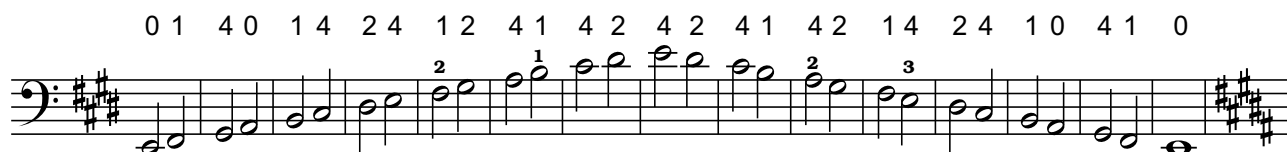
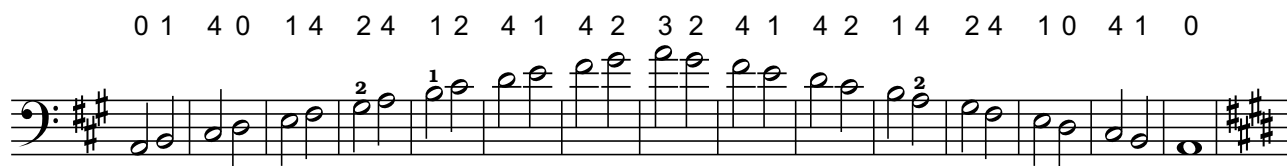
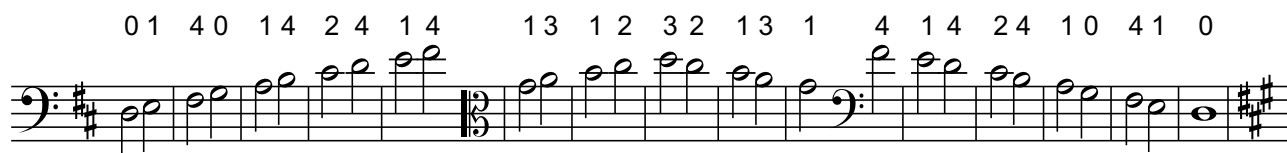
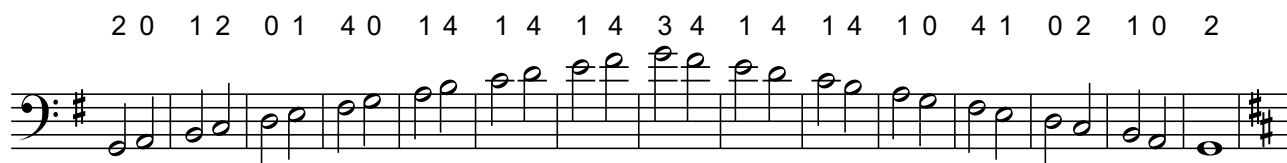
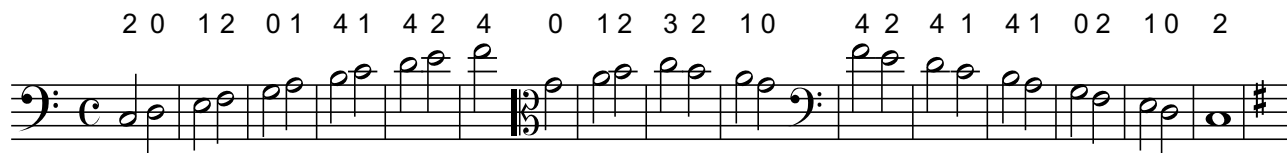


Two Octave Upright Bass Major Scales

Fingerings by Klaus Trumpf

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The image displays five staves of musical notation, each representing a different scale. Above each staff, the left-hand fingerings (1-4) are indicated in large font, and the string numbers (1-4) are indicated in small font. The scales are as follows:

- Staff 1:** 14 24 14 24 14 13 12 32 13 1 4 14 24 14 24 1
- Staff 2:** 14 24 14 01 42 41 42 32 41 42 41 04 14 24 1
- Staff 3:** 14 24 14 24 1 3 13 12 32 13 13 14 24 14 24 1
- Staff 4:** 14 01 40 24 14 14 p 1 2 1 p 4 14 14 20 41 04 1
- Staff 5:** 14 01 40 24 02 41 42 42 41 42 04 20 41 04 1

Notes:

- Focus on intonation, tone quality and tone control
- Left-hand fingerings are in large font above each note
- Strings are indicated by numbers in small font where 1=G, 2=D, 3=A and 4=E
- Whenever the scale high register notes end in "1 2 3" it is preceded by "1 3" (except for the C scale which uses a harmonic instead of a "p")
- The only scale with the "1 3 1 3" pattern is Eb
- Only the B and the Bb scales have a "1 4 1 4 p 1 2" pattern
- Only the A and the Ab scales have a "2 4 1 4 2 3" pattern
- The double "1 4 2 4" pattern is used by the Ab, B, Gb, Db, and Eb scales. However, the Ab & Db scale's "1 4 2 4" patterns "climb" in the opposite direction from these other scales.

Two Octave Scales

C Major

Bass

2 0 1 2 0 1 4 - 1 4 - 2 4 - T 1 2 3 2 1 T - 4 2 -

6

G Major

4 1 - 4 1 0 2 1 0 2 2 0 1 2

11

0 1 4 0 1 4 - 1 4 - 1 3 4 3 1 - 4 1 - 4 1 0 4 1 0 2 1 0

17

D Major

2 0 1 4 0 1 4 - 2 4 - 1 4 - T 1

22

3 - 2 3 2 - 3 1 T - 4 1 - 4 2 - 4 1 0 4 1 0

27

A Major

0 1 4 0 1 4 - 1 2 - 1 4 - 1 4 - T 2 3 2

32

T - 4 1 - 4 1 - 2 1 - 4 1 0 4 1 0

37 **E Major**

0 1 4 0 1 4 - 1 2 - 1 4 - 1 4 - 1 - 2 4 - 4 1 - 4 1 - 4

42

B Major

1 - 2 1 - 4 1 0 4 1 0 1 4 - 1 2 -

47

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

Two Octave Scales

Gb Major

22

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

56

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

Db Major

61

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

66

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

Ab Major

72

1 4 - 1 2 - 1 4 - 0 1 4 - 1 2 - 1

76

4 - 2 3 2 - 4 1 - 2 1 - 4 1 0 4 1 - 2 1 - 4 1

Eb Major

81

1 4 0 1 4 - 1 4 - 1 4 - T 1 3 - 1 2 3 2

86

1 - 3 1 T - 4 1 - 4 1 - 4 1 0 4 1

91 Bb Major

1 4 0 1 4 0 2 4 - 1 4 - 1 4 - T 2 3 2 T - 4 1 - 4 1 - 4 1 0

97

F Major



102



108

C Natural Minor



113



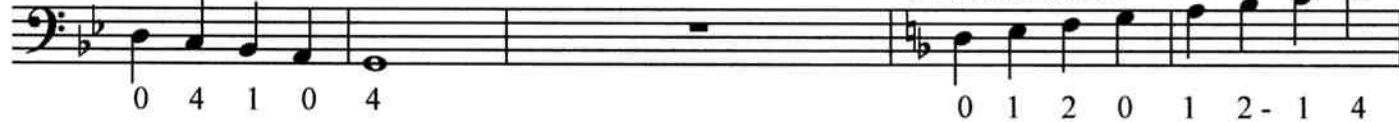
118

G Natural Minor



124

D Natural Minor



129



135

A Natural Minor



140



4

145

151

B Natural Minor

156

162

F# Natural Minor

167

172

C# Natural Minor

177

181

Ab Natural Minor

186

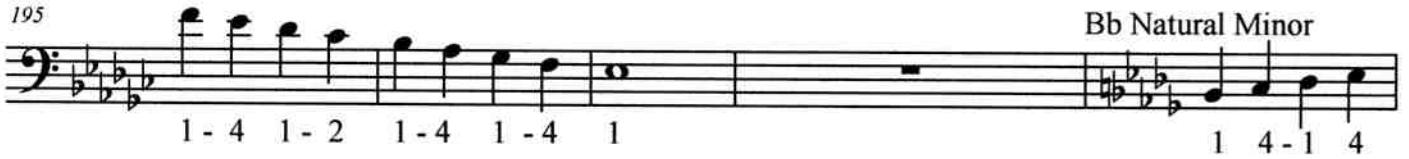
186

- 4 - 4 1 - 4 1 4 1

190 Eb Natural Minor



195



Bb Natural Minor

200



205



F Natural Minor

210



216



221



G Harmonic Minor

227



233



D Harmonic Minor

Two Octave Scales

6

239

A Harmonic Minor



245



251

E Harmonic Minor

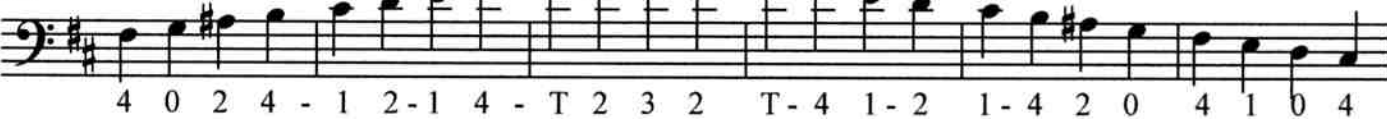


257

B Harmonic Minor



263



269

F# Harmonic Minor



275

C# Harmonic Minor



281



286

Ab Harmonic Minor



291

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

297 Eb Harmonic Minor

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

302

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

307 Bb Harmonic Minor

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

312 F Harmonic Minor

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

318

0 1 4 - 1 2 - 2 4 2 - 2 1 - 4 1 - 0 2 1 4 2 - 4 1 - 4 1

324 C Melodic Minor

4 1 4 0 - 1 4 - 1 4 - 1 4 - T 1 2 3 2

330 G Melodic Minor

1 T - 4 1 - 4 1 - 4 1 0 4 1 0 4 4 0 1 4

336

0 1 4 0 1 2 - 1 4 - 1 3 4 - 4 1 - 4 1 - 4 2 0 4 1 0 4 1 0

Two Octave Scales

8

342

D Melodic Minor

4 0 1 2 0 1 4 - 2 4 - 2 4 - T 1 3 - 2 3 1 -

348

A Melodic Minor

2 1 T - 4 2 - 4 1 - 2 1 0 2 1 0 0 1 2 0

354

1 4 - 1 2 - 1 2 - 1 4 - T 2 3 1 - 4 2 - 4 1 - 4 1 0 2 1 0 2 1

360

E Melodic Minor

0 0 1 2 0 1 4 - 1 2 - 4 0 1 4 - 1 4 - 4 1 -

366

B Melodic Minor

4 2 - 1 0 4 1 0 2 1 0 2 1 0 1 4 0 1

372

4 - 1 4 - 1 4 - 1 4 - 1 3 - 2 3 1 - 3 2 - 4 1 - 4 2 - 1 0 4 1 0 4

378

F# Melodic Minor

1 1 4 0 1 4 - 1 4 - 1 4 - 1 4 - 1 4 - 2 3 1

384

C# Melodic Minor

4 2 - 4 1 - 4 1 - 1 0 4 1 0 4 1 1 4 - 1 4 -

390

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

395

Ab Melodic Minor



400



406

Eb Melodic Minor



411

Bb Melodic Minor



417



422

F Melodic Minor



428

