

Clarinet 9.6 Scales:

B \flat /C

Musical notation for the B \flat /C scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: C4, C4, D4, D4, E4, E4, F4, F4, G4, G4, A4, A4, B4, B4, C5. The second line contains the descending scale: B4, A4, G4, F4, E4, D4, C4, followed by a whole rest on C4.

F/G

Musical notation for the F/G scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: G4, G4, A4, A4, B4, B4, C5, C5, D5, D5, E5, E5, F5, F5, G5. The second line contains the descending scale: F5, E5, D5, C5, B4, A4, G4, followed by a whole rest on G4.

C/D

Musical notation for the C/D scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: D4, D4, E4, E4, F4, F4, G4, G4, A4, A4, B4, B4, C5, C5, D5. The second line contains the descending scale: C5, B4, A4, G4, F4, E4, D4, followed by a whole rest on D4.

G/A

Musical notation for the G/A scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: A4, A4, B4, B4, C5, C5, D5, D5, E5, E5, F5, F5, G5, G5, A5. The second line contains the descending scale: G5, F5, E5, D5, C5, B4, A4, followed by a whole rest on A4.

D/E

Musical notation for the D/E scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: E4, E4, F4, F4, G4, G4, A4, A4, B4, B4, C5, C5, D5, D5, E5. The second line contains the descending scale: D5, C5, B4, A4, G4, F4, E4, followed by a whole rest on E4.

D \flat /E \flat

Musical notation for the D \flat /E \flat scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: E \flat 4, E \flat 4, F \flat 4, F \flat 4, G \flat 4, G \flat 4, A \flat 4, A \flat 4, B \flat 4, B \flat 4, C5, C5, D5, D5, E5. The second line contains the descending scale: D5, C5, B \flat 4, A \flat 4, G \flat 4, F \flat 4, E \flat 4, followed by a whole rest on E \flat 4.

A \flat /B \flat

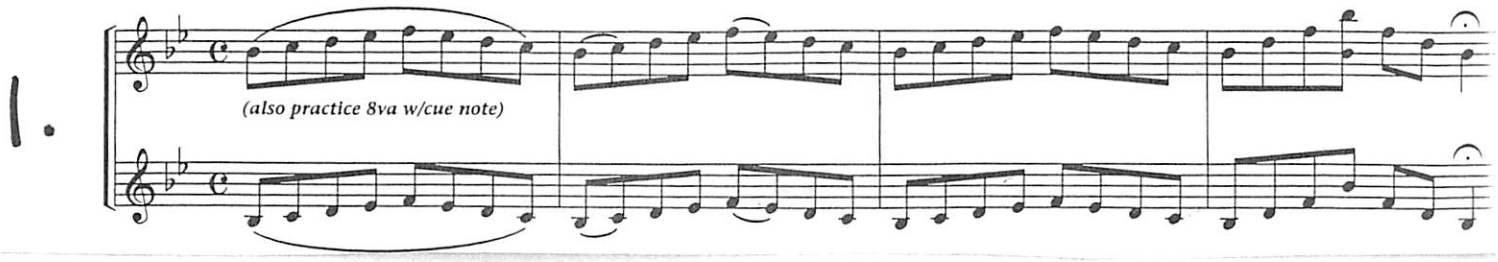
Musical notation for the A \flat /B \flat scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: B \flat 4, B \flat 4, C5, C5, D5, D5, E5, E5, F5, F5, G5, G5, A5, A5, B5. The second line contains the descending scale: A5, G5, F5, E5, D5, C5, B \flat 4, followed by a whole rest on B \flat 4.

E \flat /F

Musical notation for the E \flat /F scale in treble clef, common time. The scale consists of two lines of music. The first line contains the ascending scale: F4, F4, G4, G4, A4, A4, B4, B4, C5, C5, D5, D5, E5, E5, F5. The second line contains the descending scale: E5, D5, C5, B4, A4, G4, F4, followed by a whole rest on F4.

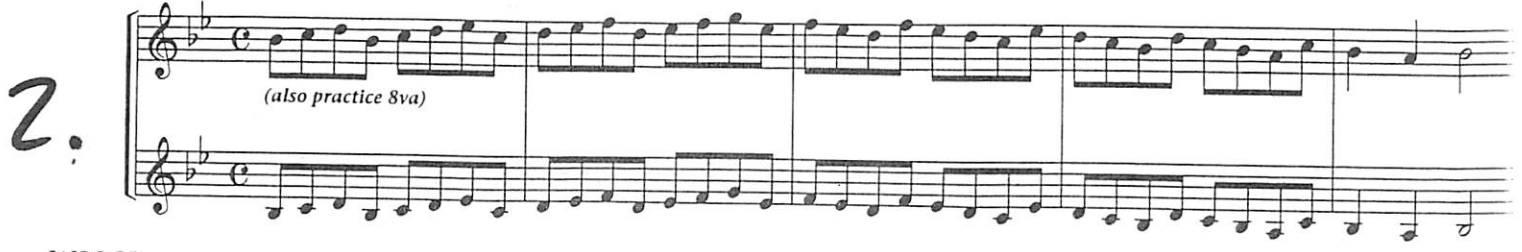
Technique: Pick an octave

1. *(also practice 8va w/cue note)*



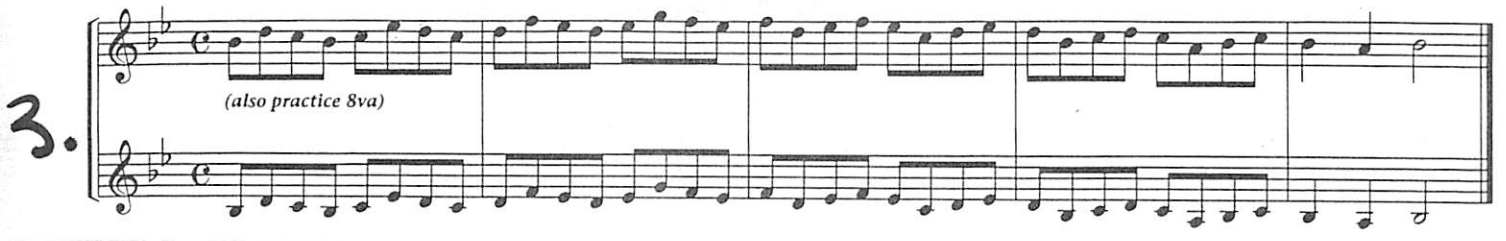
Exercise 1 consists of two staves in 2/4 time, key of B-flat major. The treble staff contains a melodic line of eighth notes, with the first four notes circled. The bass staff contains a rhythmic accompaniment of eighth notes. A circled '1.' is written to the left of the first staff.

2. *(also practice 8va)*



Exercise 2 consists of two staves in 2/4 time, key of B-flat major. The treble staff contains a melodic line of eighth notes. The bass staff contains a rhythmic accompaniment of eighth notes. A circled '2.' is written to the left of the first staff.

3. *(also practice 8va)*




Exercise 3 consists of two staves in 2/4 time, key of B-flat major. The treble staff contains a melodic line of eighth notes. The bass staff contains a rhythmic accompaniment of eighth notes. A circled '3.' is written to the left of the first staff.

4.



Exercise 4 consists of two staves in 2/4 time, key of B-flat major. The treble staff contains a melodic line of eighth notes. The bass staff contains a rhythmic accompaniment of eighth notes. A circled '4.' is written to the left of the first staff.

Tune No. 131 Lively



Tune No. 131 is in 4/4 time, key of B-flat major. The treble staff contains a melodic line with slurs and accents. The bass staff contains a rhythmic accompaniment. A circled '7' is written above the first measure of the treble staff. The word 'divisi.' is written at the end of the piece.

12.cont.

Always count to yourself.
Watch for the tie.

J. $\frac{4}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$

K. $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

L. $\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

M. $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

N. $\frac{2}{4}$ $\frac{3}{4}$ $\frac{4}{4}$ $\frac{3}{4}$ $\frac{2}{4}$

O. $\frac{4}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$ $\frac{3}{4}$

P. $\frac{4}{4}$

Q. $\frac{3}{4}$

1. Fill in the measures below.
2. Write in counting beneath the notes.

R. $\frac{4}{4}$ $\frac{3}{4}$ $\frac{2}{4}$ $\frac{4}{4}$

S. $\frac{3}{4}$ $\frac{4}{4}$ $\frac{2}{4}$ $\frac{3}{4}$

1. The first part of the paper is devoted to a general discussion of the problem. It is shown that the problem is well-posed and that the solution is unique.

2. In the second part, the method of characteristics is used to solve the problem. It is shown that the solution is given by the following formula:

$$u(x, y) = \frac{1}{2} \left(\phi(x+y) + \psi(x-y) \right) + \frac{1}{2} \int_{x-y}^{x+y} f(t) dt$$

where ϕ and ψ are arbitrary functions and f is the given function.

3. In the third part, the method of separation of variables is used to solve the problem. It is shown that the solution is given by the following formula:

$$u(x, y) = \sum_{n=1}^{\infty} \frac{1}{n} \sin(ny) \int_0^x f(t) \cos(nt) dt$$

where f is the given function.

4. In the fourth part, the method of Fourier series is used to solve the problem. It is shown that the solution is given by the following formula:

$$u(x, y) = \sum_{n=1}^{\infty} \frac{1}{n} \sin(ny) \int_0^x f(t) \cos(nt) dt$$

where f is the given function.

