



Max McKee
Executive Director
(541) 840-4888



Scott McKee
Managing Director
(541) 778-4880



Paul Kassulke
Director of Operations
(541) 778-3161

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Another ABC Presentation

American Band College



ABC's
of the
Overtone Series

Overtone Series

ALL POSSIBLE FINGERINGS

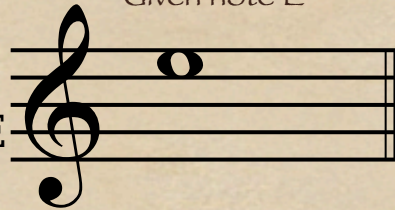
Overtone Series

All possible fingerings

Given note E

- ◆ Check for given note

NONE



OPEN 2 1 12 23 13 #123

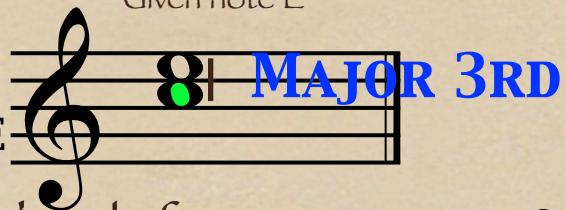
or 3

The musical score displays the overtone series of E on a grand staff. The bass clef contains the notes of the series: E (open), G (2), B (1), C# (12), D (23), E (13), and F# (#123). The treble clef shows the corresponding overtones for each note, with various accidentals (sharps and flats) indicating the specific pitch classes. Fingerings are indicated by numbers 1, 2, 3, and combinations like 12, 23, 13, and #123.

Overtone Series

All possible fingerings

Given note E



- ◆ Check for given note **NONE**
- ◆ Think down Major 3rd, check for series **OPEN**

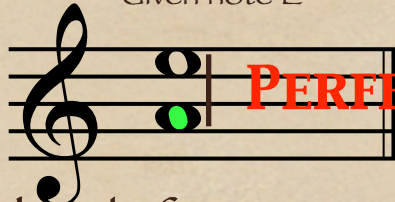
OPEN 2 1 12 23 13 #123

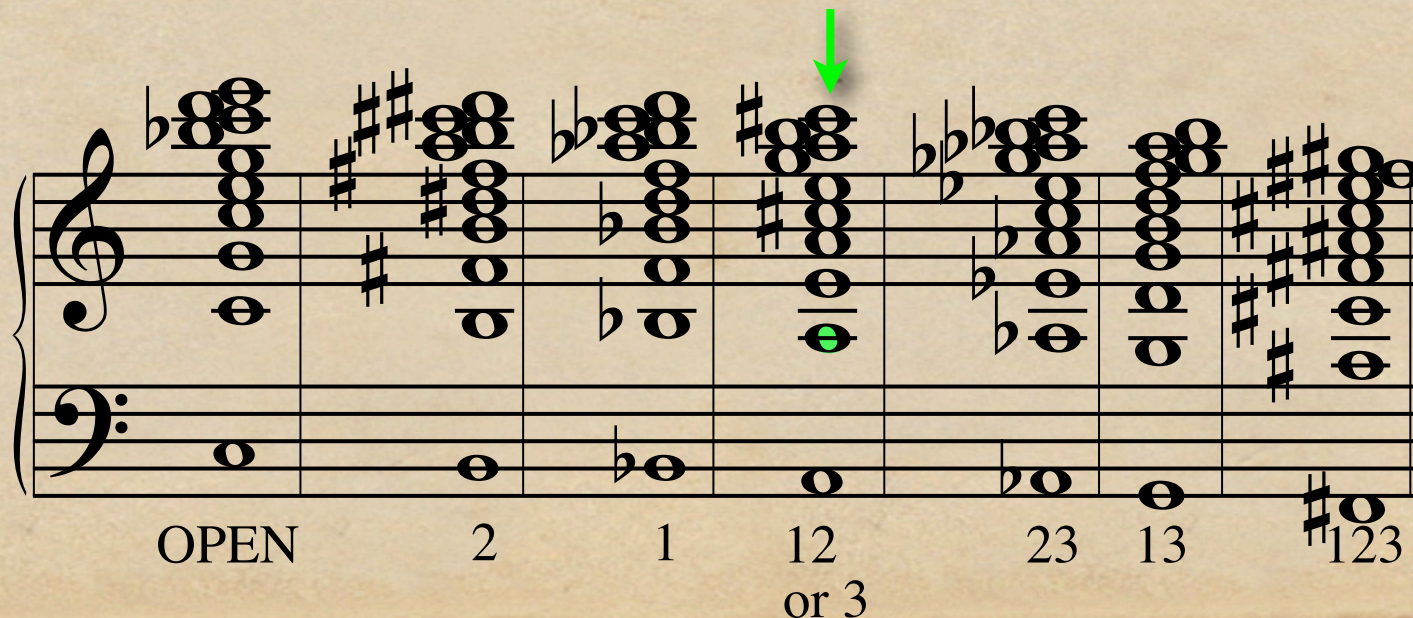
or 3

Overtone Series

All possible fingerings

Given note E

- ◆ Check for given note **NONE**  **PERFECT 5TH**
- ◆ Think down Major 3rd, check for series **OPEN**
- ◆ Think down Perfect 5th, check for series **12 OR 3**

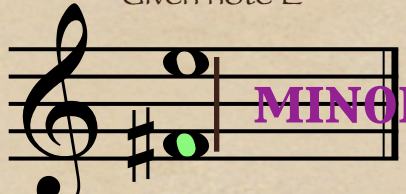


OPEN 2 1 12
or 3 23 13 #123

Overtone Series

All possible fingerings

Given note E

- ◆ Check for given note **NONE**  **MINOR 7TH**
- ◆ Think down Major 3rd, check for series **OPEN**
- ◆ Think down Perfect 5th, check for series **12 OR 3**
- ◆ Think down minor 7th, check for series **123**

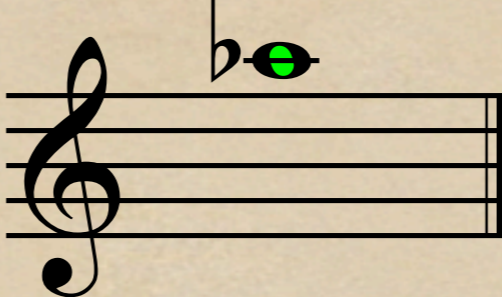


OPEN 2 1 12
or 3 23 13 #123

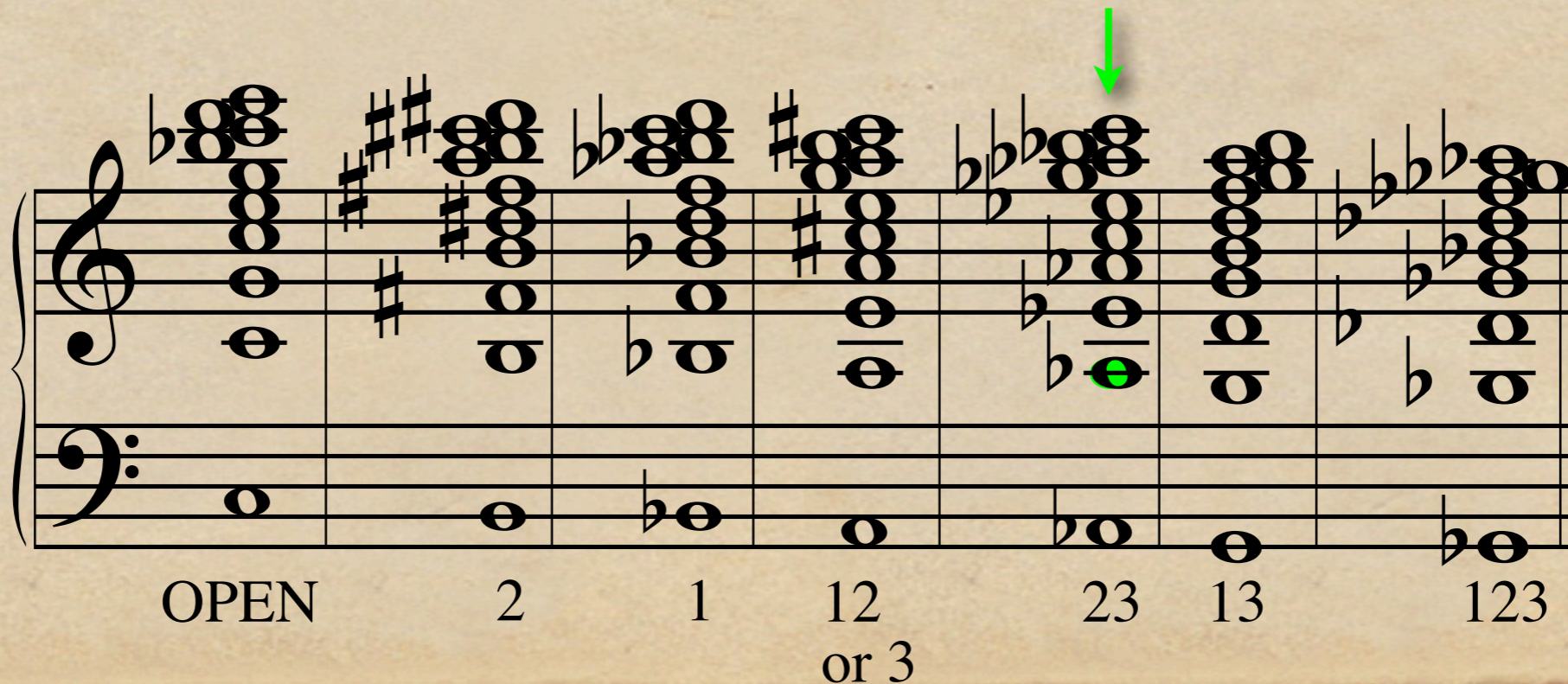
Overtone Series

All possible fingerings

Given note Ab



- ◆ Check for given note 23



OPEN 2 1 12 23 13 123

or 3

Overtone Series

All possible fingerings

Given note Ab

MAJOR 3RD

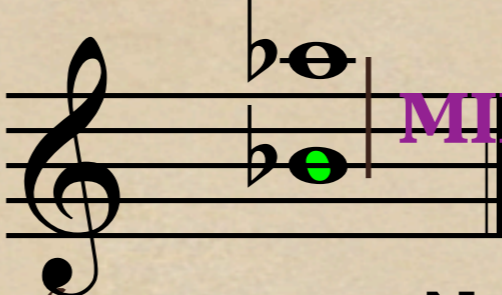
- ◆ Check for given note 23
- ◆ Think down Major 3rd, check for series **NONE**

OPEN 2 1 12
or 3 23 13 123

Overtone Series

All possible fingerings

Given note Ab



MINOR 7TH

- ◆ Check for given note 23
- ◆ Think down Major 3rd, check for series **NONE**
- ◆ Think down Perfect 5th, check for series **NONE**
- ◆ Think down minor 7th, check for series **1**

OPEN 2 1 12 or 3 23 13 123

Overtone Series

All possible fingerings

Given note Ab



MAJOR 9TH

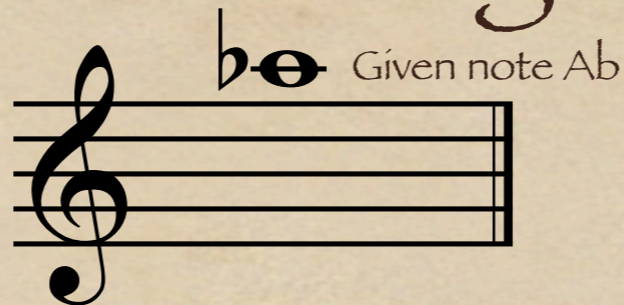
- ◆ Check for given note 23
- ◆ Think down Major 3rd, check for series **NONE**
- ◆ Think down Perfect 5th, check for series **NONE**
- ◆ Think down minor 7th, check for series **1**
- ◆ Think down Major 9th, check for series **123**

OPEN 2 1 12 23 13 123

or 3

Overtone Series

All possible fingerings



- ◆ There are 3 possible fingerings:

1 23 123

OPEN 2 1 12 or 3 23 13 123