

*Didactic music*

# Harmonics for strings

w w w . c o m p o s e r s h o p . c o m

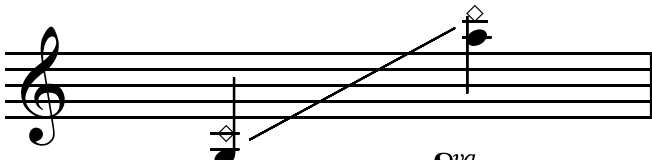
*Downloaded from*

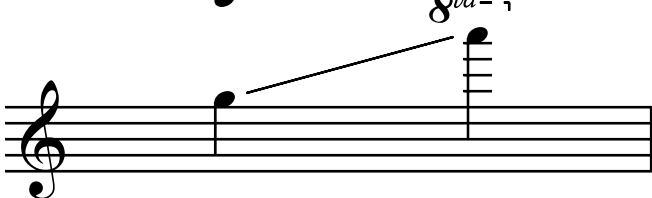
[www.composershop.com](http://www.composershop.com) *HighQualitySheetMusic*

# Strings harmonics table

## Violin

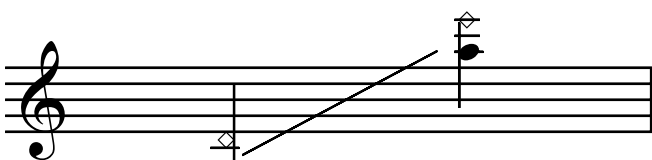
### fourth artificial harmonics

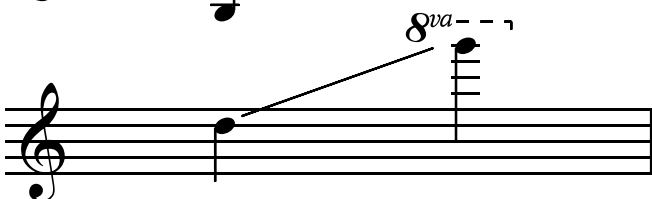
written: 

actual sound: 

with all chromatic intervals

### fifth artificial harmonics

written: 

actual sound: 

with all chromatic intervals

fifth artificial harmonics are difficult for little hands;  
it is better to use this extension:

written: 

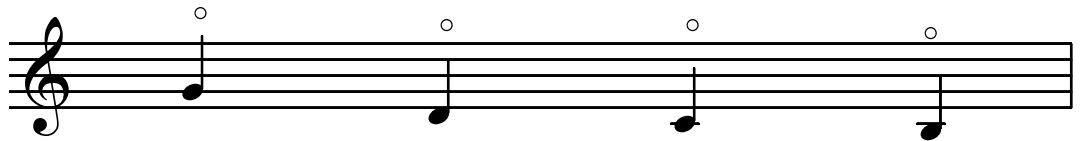
actual sound: 

under fourth artificial harmonics extension

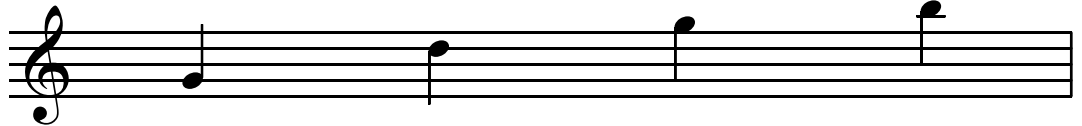
# Violin natural harmonics

## IV° string

written:

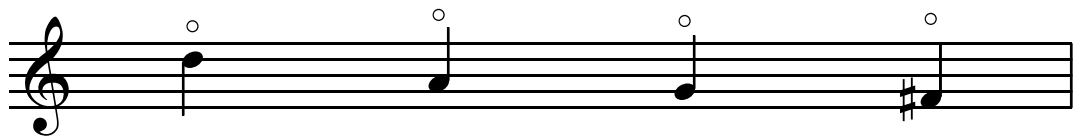


actual sound:

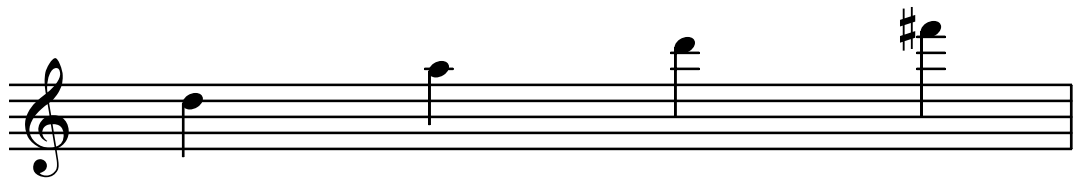


## III° string

written:

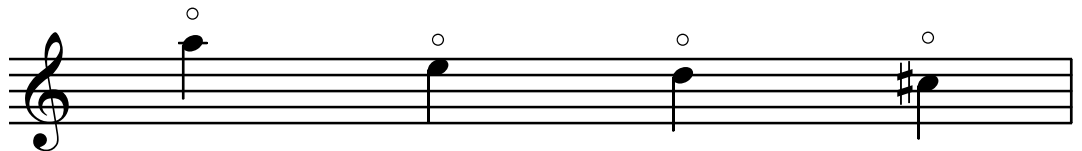


actual sound:

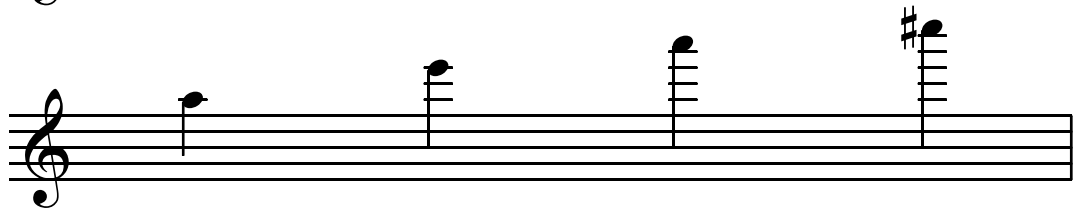


## II° string

written:

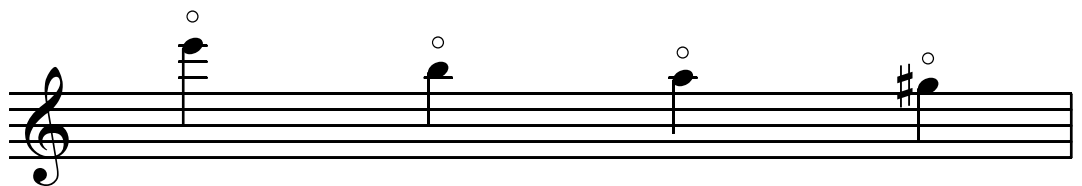


actual sound:

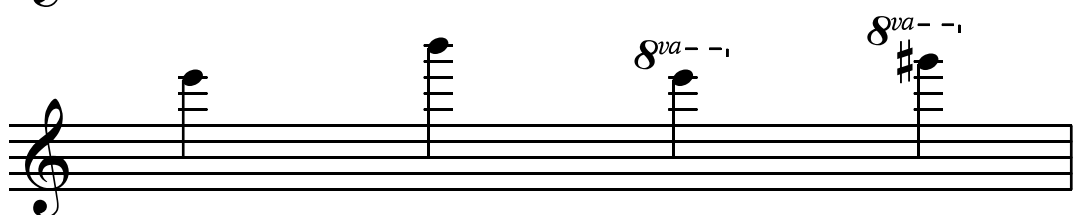


## I° string

written:

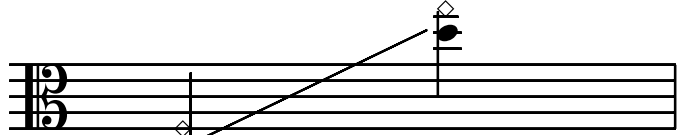



actual sound:



# Viola

## fourth artificial harmonics

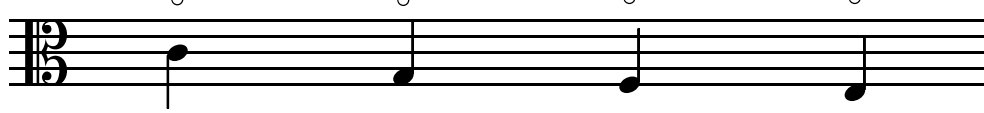
written: 

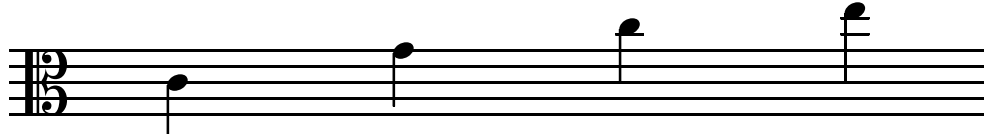
actual sound: 

## fifth artificial harmonics are unusual

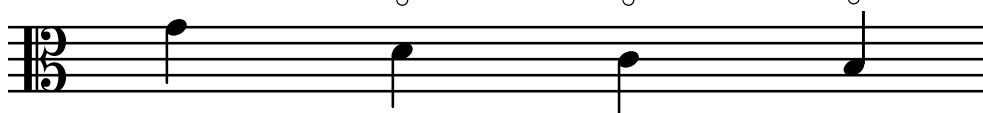
### Viola natural harmonics

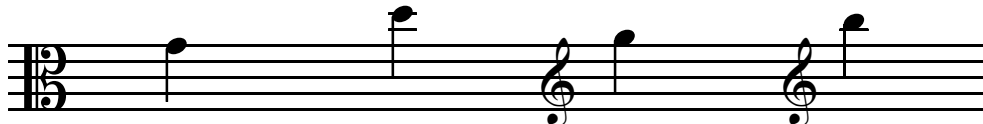
#### IV° string

written: 

actual sound: 

#### III° string

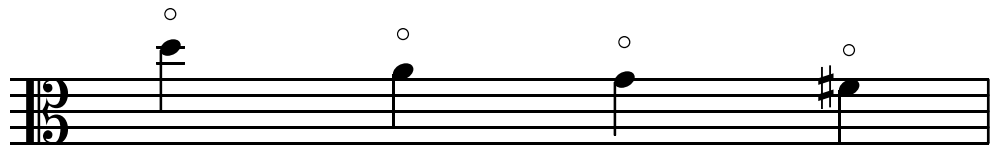
written: 

actual sound: 

(viola natural harmonics)

II° string

written:



actual sound:



I° string

written:



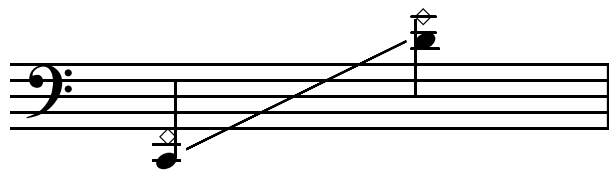
actual sound:



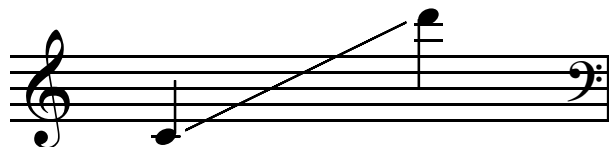
Violoncello

fourth artificial harmonics

written:



actual sound:

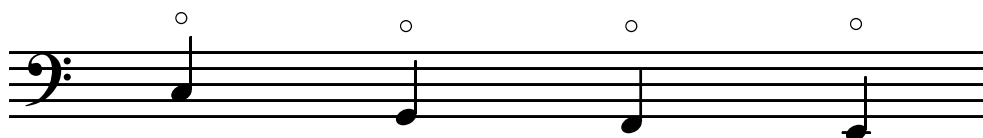


} with all  
chromatic  
intervals

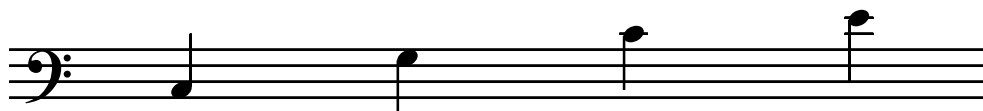
# Violoncello natural harmonics

## IV° string

written:

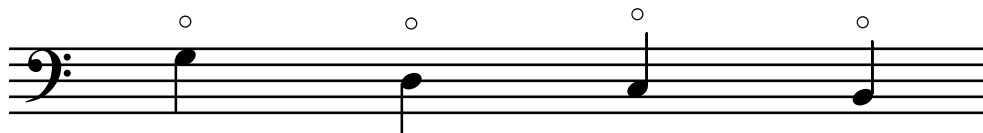


actual sound:



## III° string

written:

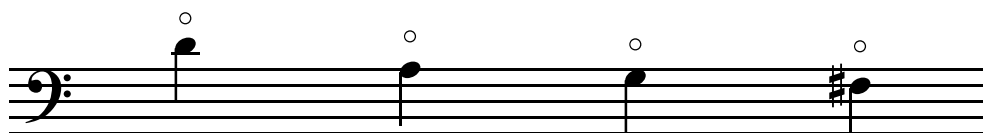


actual sound:

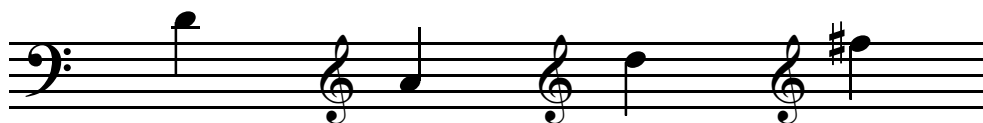


## II° string

written:



actual sound:



## I° string

written:



actual sound:

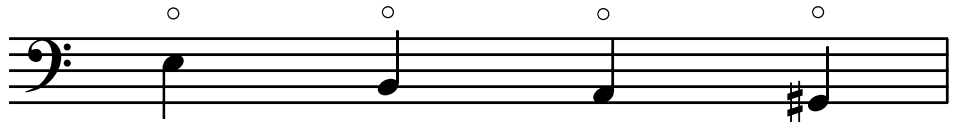


# Double bass

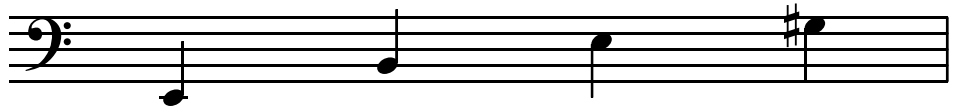
## Double bass natural harmonics

### IV° string

written:  
(transposed)

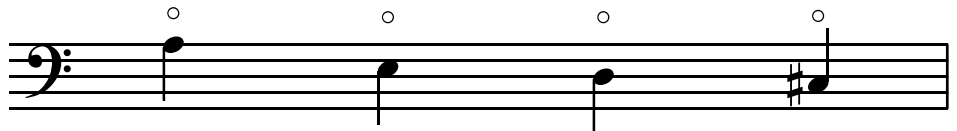


actual sound:  
(not transposed)

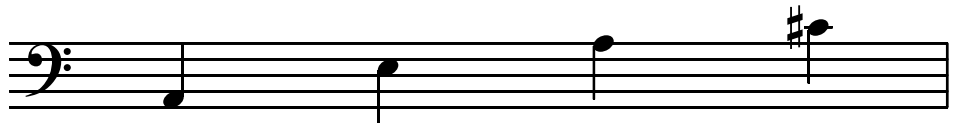


### III° string

written:  
(transposed)

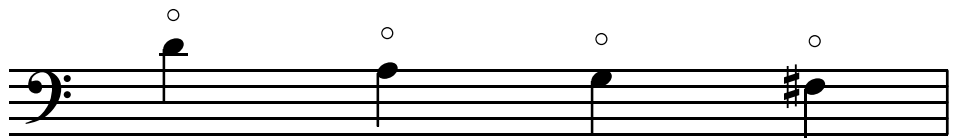


actual sound:  
(not transposed)

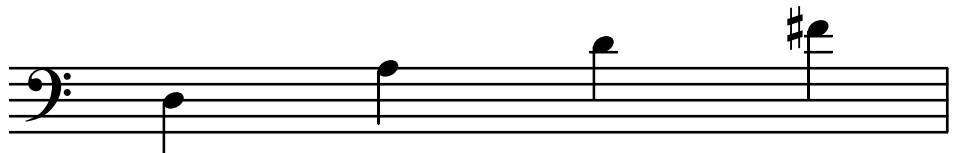


### II° string

written:  
(transposed)

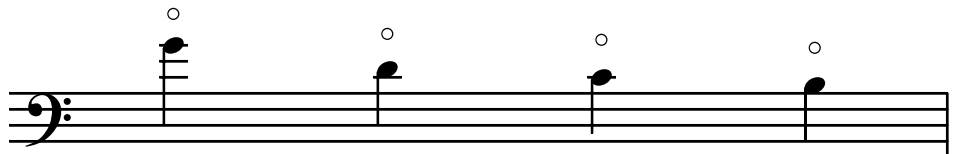


actual sound:  
(not transposed)

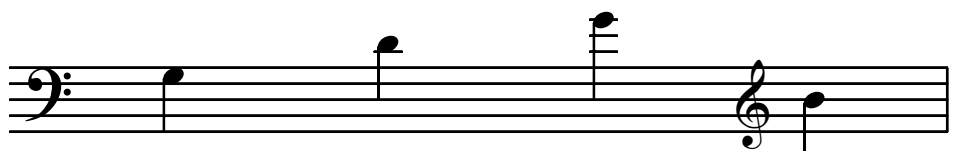


### I° string

written:  
(transposed)



actual sound:  
(not transposed)



to write:

written note, string to play and white little ball on it.

example  
on violin

The image shows a musical staff in treble clef with five notes, each representing an artificial harmonic. Above each note is a small circle and a label: 'II° string' (first line), 'I° string' (second line), 'IV° string' (third space), 'III° string' (second space), and 'II° string' (first space). Each note is a half note with a stem and a flag, and a small circle is placed above the notehead to indicate the harmonic point.

*about* fourth artificial harmonics *on violin, viola and violoncello*:  
they are better to use with slow melody

about artificial harmonics:  
they are better to use no more than *mf*