

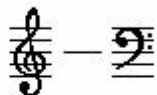
# Рисунок 1

## Таблица 1

ТАБЛИЦА РАСЧЕТА КЛЮЧЕВЫХ И СЛУЧАЙНЫХ ЗНАКОВ ПРИ ТРАНСПОНИРОВАНИИ НА ПОЛТОНА И НА ТОН ВВЕРХ И ВНИЗ

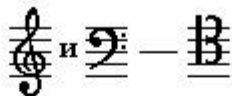
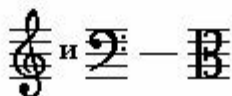
на полтона вверх		
общая формула: ключевые знаки + 7♯	смена случайных знаков	bb-b
частные случаи: а) ключевых знаков нет - $0+7\sharp=7\sharp$		b-b
б) в ключе $n\sharp - n\sharp+7\sharp=n\sharp+(7-n)\sharp$		b-♯
в) в ключе $n\flat - n\flat+7\sharp=(7-n)b$		♯-x
на полтона вниз		
общая формула: ключевые знаки + 7b	смена случайных знаков	x-♯
частные случаи: а) ключевых знаков нет - $0+7\flat=7\flat$		♯-b
б) в ключе $n\sharp - n\sharp+7\flat=(7-n)b$		b-b
в) в ключе $n\flat - n\flat+7\flat=n\flat+(7-n)b$		b-bb
на тон вверх		
общая формула: ключевые знаки + 7x	смена случайных знаков	bb-b
частные случаи: а) ключевых знаков нет - $0+7x=7x$		b-♯
б) в ключе $n\sharp - n\sharp+7x=nx\sharp+(7-n)x$		x-b
в) в ключе $n\flat - n\flat+7x=(7-n)x+n\sharp$		
на тон вниз		
общая формула: ключевые знаки + 7	смена случайных знаков	x-b
частные случаи: а) ключевых знаков нет - $0+7=7$		♯-b
б) в ключе $n\sharp - n\sharp+7bb=(7-n)bb+n\flat$		b-bb
в) в ключе $n\flat - n\flat+7bb=n\flat+(7-n)bb$		

# Рисунок 10



1 т 1,5 т 2 т 2,5 т

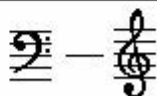
Вверх 0,5 т 1 т 1,5 т 2 т 2,5 т 3,5 т 4 т 4,5 т 5 т 5,5 т



Обращения

Вниз 0,5 т 1 т 1,5 т 2 т 2,5 т 3,5 т 4 т 4,5 т 5 т 5,5 т

1 т 1,5 т 2 т 2,5 т



# Рисунок 2

## Пример 1

Этюд

Allegro energico (скоро энергично)

А.Гедике

Musical score for Example 1, original key of C major. The piece is in 2/4 time and marked 'Allegro energico'. It features a melody in the right hand and a bass line in the left hand. The melody starts with a quarter note C4, followed by eighth notes D4, E4, F4, and G4. The bass line consists of chords: C4-E4-G4, C4-E4-G4, F4-A4-C5, and F4-A4-C5. Dynamics include a forte 'f' marking and accents (>) over the first and fourth measures.

На 1/2 тона вверх

Musical score for Example 1, transposed to D major. The key signature has two sharps (F# and C#). The melody and bass line are identical in structure to the original, but shifted up by a half tone. Dynamics and accents are preserved.

## Пример 2

Старинная французская песня

Медленно, печально

Musical score for Example 2, original key of B-flat major. The piece is in 2/4 time and marked 'Медленно, печально'. The melody in the right hand features a series of eighth notes: Bb4, C5, D5, Eb5, F5, G5, Ab5, Bb5. The bass line consists of chords: Bb4-Db5-F5, Bb4-Db5-F5, Gb5-Bb5-Db6, and Gb5-Bb5-Db6. Dynamics include a piano 'p' marking and a trill 'тр' at the end. Phrasing slurs are used over the first four measures.

На 1/2 тона вверх

Musical score for Example 2, transposed to C major. The key signature has no sharps or flats. The melody and bass line are identical in structure to the original, but shifted up by a half tone. Dynamics and phrasing are preserved.

## Пример 3

Весна в лесу

Неторопливо

Н.Кувшинников

Musical score for Example 3, original key of D major. The piece is in 3/4 time and marked 'Неторопливо'. The right hand features a continuous eighth-note triplet pattern: D4, E4, F4, G4, A4, B4, C5, D5. The left hand consists of chords: D4-F4-A4, D4-F4-A4, G4-B4-D5, and G4-B4-D5. Dynamics include a piano 'p' marking.

На 1/2 тона вниз

Musical score for Example 3, transposed to C major. The key signature has no sharps or flats. The melody and bass line are identical in structure to the original, but shifted down by a half tone. Dynamics are preserved.

# Рисунок 3

## Пример 4

### Протяжная

Andante, cantabile

Л.Сидельников

Original key: B-flat major (two flats). The score consists of two staves. The upper staff has a melody starting with a piano (*p*) dynamic. The lower staff provides harmonic accompaniment. The piece is in 4/4 time and features a melodic line with a slur over the first four measures.

На 1/2 тона ниже

Transposed key: A-flat major (three flats). The score is identical in structure to the original, with the same melodic and harmonic lines, but shifted down by a half tone. The piano (*p*) dynamic is maintained.

## Пример 5

### Колыбельная

Andantino tranquillo (неторопливо, спокойно)

С.Майкагар, соч. 28, № 15

Original key: B-flat major (two flats). The score consists of two staves. The upper staff has a melody starting with a piano (*p*) dynamic. The lower staff provides harmonic accompaniment. The piece is in 6/8 time and features a melodic line with a slur over the first four measures. The instruction *dolce cantabile (нежно и певуче)* is written above the melody.

На 1 тон вверх

Transposed key: C major (no sharps or flats). The score is identical in structure to the original, with the same melodic and harmonic lines, but shifted up by one whole tone. The piano (*p*) dynamic and the instruction *dolce cantabile (нежно и певуче)* are maintained.

## Пример 6

### Детская пьеса

Allegro

С.Майкагар

Original key: D major (two sharps). The score consists of two staves. The upper staff has a melody starting with a mezzo-forte (*mf*) dynamic. The lower staff provides harmonic accompaniment. The piece is in common time (C) and features a melodic line with a slur over the first four measures. The dynamic *p* is indicated at the end of the piece.

На 1 тон вниз

Transposed key: C major (no sharps or flats). The score is identical in structure to the original, with the same melodic and harmonic lines, but shifted down by one whole tone. The mezzo-forte (*mf*) dynamic and the dynamic *p* are maintained.

# Рисунок 4

## Таблица 2

ТАБЛИЦА РАСЧЕТА КЛЮЧЕВЫХ ЗНАКОВ ПРИ ТРАНСПОНИРОВАНИИ НА ТОН, ПОЛТОРА, ДВА И ДВА С ПОЛОВИНОЙ ТОНА ВВЕРХ СО СМЕНОЙ СКРИПИЧНОГО КЛЮЧА НА БАСОВЫЙ

на 1 тон

общая формула: ключевые знаки  $+3\flat+4\flat$

частные случаи: а) ключевых знаков нет  $-0+3\flat+4\flat$

б) в ключе  $n\sharp - n\sharp+3\flat+4\flat=(3-n)\flat+(4+n)\flat$  при  $n=1\div 3$   
 $n\sharp+3\flat+4\flat=(10-n)\flat$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+3\flat+4\flat=(3+n)\flat+(4-n)\flat$  при  $n=1\div 4$   
 $n\flat+3\flat+4\flat=(n-4)\flat\flat+(11-n)\flat\flat$  при  $n\geq 4$

на 1,5 тона

общая формула: ключевые знаки  $+3\flat$

частные случаи: а) ключевых знаков нет  $-0+3\flat=3\flat$

б) в ключе  $n\sharp - n\sharp+3\flat=(3-n)\flat$  при  $n=1\div 3$   
 $n\sharp+3\flat=(n-3)\sharp$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+3\flat=(3+n)\flat$  при  $n=1\div 4$   
 $n\flat+3\flat=(n-4)\flat\flat+(11-n)\flat$  при  $n\geq 5$

на 2 тона

общая формула: ключевые знаки  $+4\sharp$

частные случаи: а) ключевых знаков нет  $-0+4\sharp=4\sharp$

б) в ключе  $n\sharp - n\sharp+4\sharp=(n+4)\sharp$  при  $n=1\div 3$   
 $n\sharp+4\sharp=(n-3)\times+(10-n)\sharp$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+4\sharp=(4-n)\sharp$  при  $n=1\div 4$   
 $n\flat+4\sharp=(n-4)\flat$  при  $n\geq 4$

на 2,5 тона

общая формула: ключевые знаки  $+4\times+3\sharp$

частные случаи: а) ключевых знаков нет  $-0+4\times+3\sharp$

б) в ключе  $n\sharp - n\sharp+4\times+3\sharp=(n+4)\times+(3-n)\sharp$  при  $n=1\div 3$   
 $n\sharp+4\times+3\sharp=(n-3)\times\sharp+(10-n)\times$  при  $n\geq 3$

в) в ключе  $n\flat - n\flat+4\times+3\sharp=(4-n)\times+(n+3)\sharp$  при  $n=1\div 4$   
 $n\flat+4\times+3\sharp=(11-n)\sharp$  при  $n\geq 4$

# Рисунок 5

Пример 7

Волынка

Moderato

И.С.Бах

The first system of the musical score is written for a grand piano. It consists of two staves: a treble clef staff on top and a bass clef staff on the bottom. The key signature is one sharp (F#) and the time signature is 2/4. The tempo is marked 'Moderato'. The piece is in the key of D major. The first staff begins with a piano (*p*) dynamic and a 'non legato' instruction. The melody is characterized by a series of eighth-note patterns, some of which are beamed together. A long slur covers the first four measures. The second staff provides a harmonic accompaniment with eighth-note patterns. A forte (*f*) dynamic marking appears in the third measure of the second staff.

На 1,5 тона вверх (партию правой руки исполнять на 2 октавы выше)

The second system of the musical score is written for a grand piano. It consists of two staves, both with bass clefs. The key signature is one flat (Bb) and the time signature is 2/4. The tempo is 'Moderato'. The piece is in the key of Bb major. The first staff begins with a piano (*p*) dynamic and a 'non legato' instruction. The melody is similar to the first system but transposed. A long slur covers the first four measures. The second staff provides a harmonic accompaniment with eighth-note patterns. A forte (*f*) dynamic marking appears in the third measure of the second staff.

# Рисунок 6

Пример 8

Жок  
Румынский народный танец

Подвижно

А.Корнеа-Ионеску

First system of musical notation for Example 8. It consists of two staves: a treble clef staff on top and a bass clef staff on the bottom. The key signature has one flat (B-flat) and the time signature is 2/4. The music is marked with a dynamic of *mf*. The melody in the treble staff is a sequence of eighth and quarter notes, with a slur over the first four measures and another slur over the last four measures. The bass staff provides a simple accompaniment of quarter notes.

На 2 тона вверх (исполнять на 2 октавы выше)

Second system of musical notation for Example 8. It consists of two staves: a bass clef staff on top and a bass clef staff on the bottom. The key signature has two sharps (F# and C#) and the time signature is 2/4. The music is marked with a dynamic of *mf*. The melody in the upper bass staff is a sequence of eighth and quarter notes, with a slur over the first four measures and another slur over the last four measures. The lower bass staff provides a simple accompaniment of quarter notes.

Пример 9

Мяч

Живо

А.Пирумов

First system of musical notation for Example 9. It consists of two staves: a treble clef staff on top and a bass clef staff on the bottom. The key signature has two flats (B-flat and E-flat) and the time signature is 2/4. The music is marked with a dynamic of *f*. The melody in the treble staff consists of quarter notes with rests, with a slur over the first four measures. The bass staff features a rhythmic accompaniment of eighth notes with rests, also with a slur over the first four measures.

На 2,5 тона вверх (исполнять на 2 октавы выше)

Second system of musical notation for Example 9. It consists of two staves: a bass clef staff on top and a bass clef staff on the bottom. The key signature has three sharps (F#, C#, G#) and the time signature is 2/4. The music is marked with a dynamic of *f*. The melody in the upper bass staff consists of quarter notes with rests, with a slur over the first four measures. The lower bass staff features a rhythmic accompaniment of eighth notes with rests, also with a slur over the first four measures.

# Рисунок 7

## Таблица 3

ТАБЛИЦА РАСЧЕТА КЛЮЧЕВЫХ ЗНАКОВ ПРИ ТРАНСПОНИРОВАНИИ  
НА ТОН, ПОЛТОРА, ДВА И ДВА С ПОЛОВИНОЙ ТОНА ВНИЗ  
СО СМЕНОЙ БАСОВОГО КЛЮЧА НА СКРИПИЧНЫЙ

на 1 тон

общая формула: ключевые знаки  $+3\sharp+4\sharp$

частные случаи: а) ключевых знаков нет  $-0+3\sharp+4\sharp$

б) в ключе  $n\sharp - n\sharp+3\sharp+4\sharp=(n+3)\sharp+(4-n)\sharp$  при  $n=1\div 4$   
 $n\sharp+3\sharp+4\sharp=(n-4)\sharp+(11-n)\sharp$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+3\sharp+4\sharp=(3-n)\sharp+(n+4)\sharp$  при  $n=1\div 3$   
 $n\flat+3\sharp+4\sharp=(10-n)\sharp$  при  $n\geq 3$

на 1,5 тона

общая формула: ключевые знаки  $+3\sharp$

частные случаи: а) ключевых знаков нет  $-0+3\sharp=3\sharp$

б) в ключе  $n\sharp - n\sharp+3\sharp=(n+3)\sharp$  при  $n=1\div 4$   
 $n\sharp+3\sharp=(n-4)\sharp+(11-n)\sharp$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+3\sharp=(3+n)\sharp$  при  $n=1\div 3$   
 $n\flat+3\sharp=(n-3)\flat$  при  $n\geq 3$

на 2 тона

общая формула: ключевые знаки  $+4\flat$

частные случаи: а) ключевых знаков нет  $-0+4\flat=4\flat$

б) в ключе  $n\sharp - n\sharp+4\flat=(4-n)\flat$  при  $n=1\div 4$   
 $n\sharp+4\flat=(n-4)\flat$  при  $n\geq 4$

в) в ключе  $n\flat - n\flat+4\flat=(n+4)\flat$  при  $n=1\div 4$   
 $n\flat+4\flat=(n-3)\flat\flat+(10-n)\flat$  при  $n\geq 4$

на 2,5 тона

общая формула: ключевые знаки  $+4\flat\flat+3\flat$

частные случаи: а) ключевых знаков нет  $-0+4\flat\flat+3\flat$

б) в ключе  $n\sharp - n\sharp+4\flat\flat+3\flat=(4+n)\flat\flat+(3+n)\flat$  при  $n=1\div 4$   
 $n\sharp+4\flat\flat+3\flat=(11-n)\flat$  при  $n\geq 4$

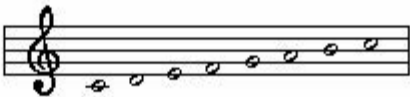
в) в ключе  $n\flat - n\flat+4\flat\flat+3\flat=(4+n)\flat\flat+(3-n)\flat$  при  $n=1\div 3$   
 $n\flat+4\flat\flat+3\flat=(n-3)\flat\flat\flat+(10-n)\flat\flat$  при  $n\geq 3$



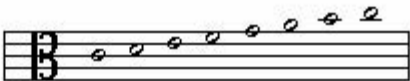
# Рисунок 8

Высотное соотношение ключей:

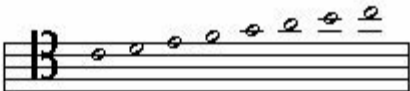
Скрипичный



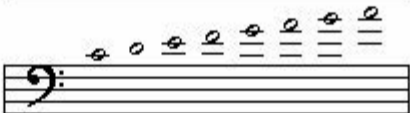
Альтовый



Теноровый



Басовый



# Рисунок 9

Пример 10

Сонатина

Allegro moderato

А.Гедике

На 1 тон вниз (исполнять на октаву выше)

Пример 11

Колыбельная

Певуче

И.Филипп

На 1 тон вверх (партию правой руки исполнять на октаву выше, партию левой - на октаву ниже)