

LIANA ALEXANDRA

ÎNTINDEREA

INSTRUMENTELOR

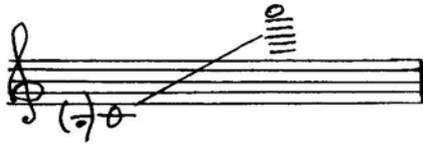
ORCHESTREI

SIMFONICE MODERNE

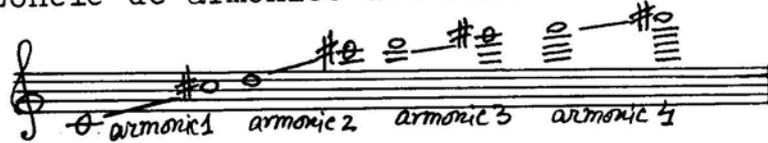
**UNIVERSITATEA NAȚIONALĂ DE MUZICĂ
BUCUREȘTI, 2002**

FLAUTUL

Intinderea flautului

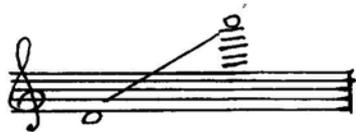


Zonele de armonice ale flautului

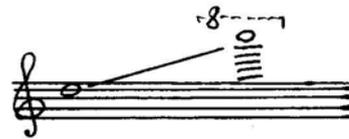


Familia flautului

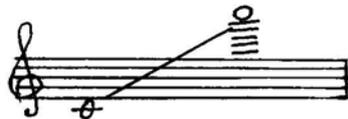
Flautul piccolo
scris



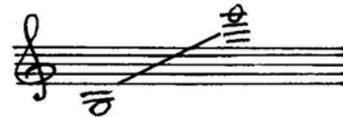
Flautul piccolo, efect



Flautul alto în sol
Intinderea scrisă



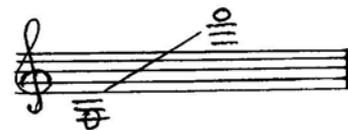
Intinderea efect



Flaut alto în fa
Intinderea scrisă



Intinderea efect



Flaut bas în do
Intinderea scrisă



Intinderea efect

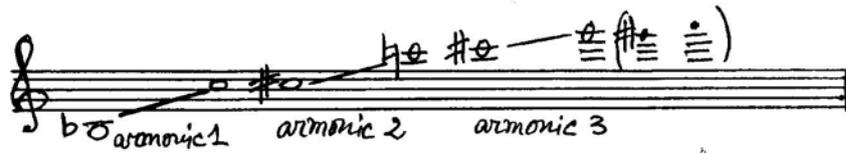


OBOIUL

Intinderea oboiului



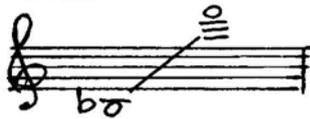
Zonele de armonice ale oboiului



Familia oboiului

Oboi sopranino în mi bemol

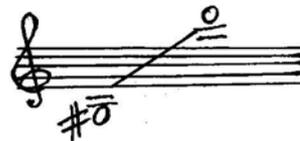
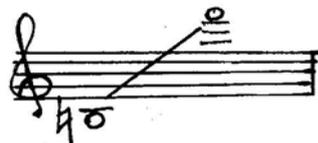
Intinderea efect



Oboi d'amore în la

Intinderea scrisă

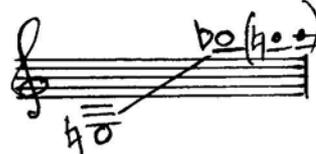
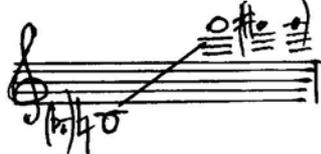
Intinderea efect



Cornul englez

Intinderea scrisă

Intinderea efect



Oboi bas în do

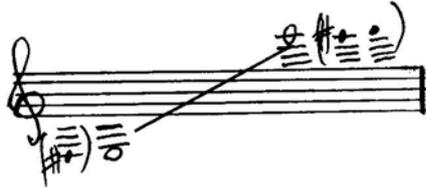
Intinderea scrisă

Intinderea efect



CLARINETUL

Intinderea scrisă a clarinetului



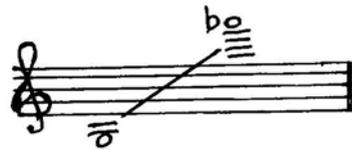
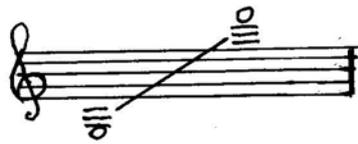
Zonele de armonice ale clarinetului



Familia clarinetului

Clarinet piccolo în mi

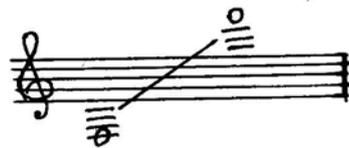
Intinderea efect



Clarinet în si bemol

Intinderea scrisă

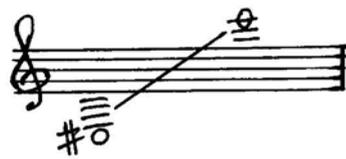
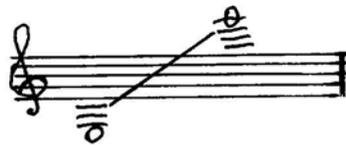
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Clarinet în la

Intinderea scrisă

Intinderea efect



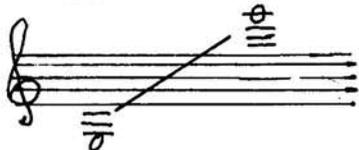
Clarinet alto în bemol

Intinderea efect



Clarinet alto în fa

Intinderea scrisă

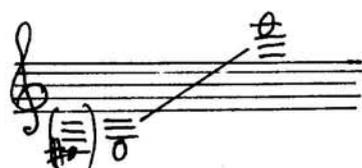


Intinderea efect

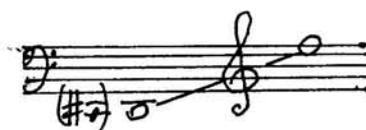


Clarinet bas în si bemol

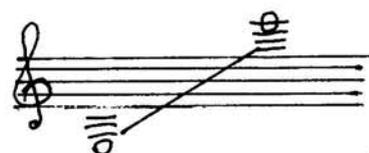
Intinderea scrisă



Intinderea efect



Clarinet bas în La

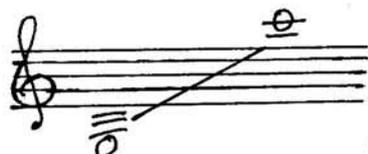


Intinderea efect

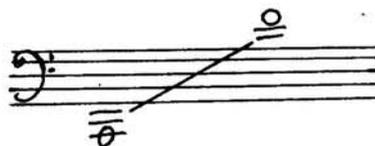


Clarinet contrabas în Fa

Intinderea scrisă



Intinderea efect



Clarinet contrabas

în mi bemol



Intinderea efect

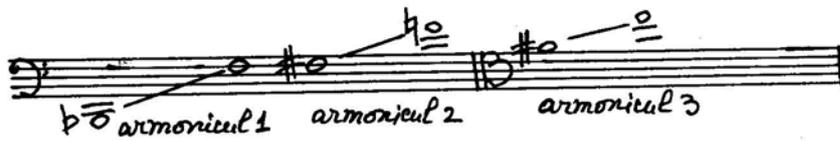


FAGOTUL

Intinderea fagotului



Zonele de armonice ale fagotului



Familia fagotului

Cotrafagotul

Intinderea scrisă



Intinderea efect

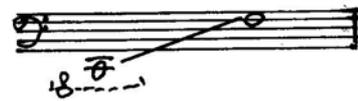


Sarrusofonul

Intinderea scrisă



Intinderea efect



SAXOFONUL

Intinderea saxofonului



Zonele de armonice ale saxofonului



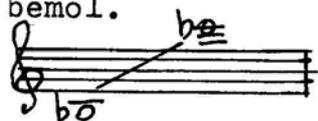
Saxofon sopranino
în fa. Intinderea scrisă.



Intinderea efect



Saxofon sopranino în
mi bemol.



Intinderea efect



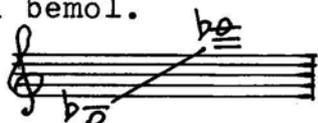
Saxofon soprano în do
Intinderea scrisă.



Intinderea efect



Saxofon soprano în
si bemol.



Intinderea efect



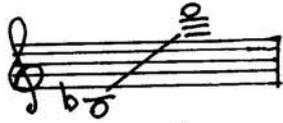
Saxofon alto în
fa. Intinderea scrisă.



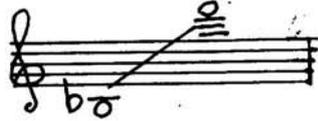
Intinderea efect



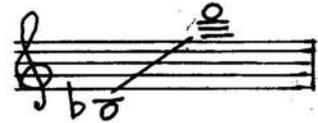
Saxofon alto în
mi bemol, Intinderea scrisă.



Saxofon tenor în do.
Intinderea scrisă



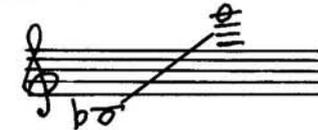
Saxofon tenor în si bemol.



Saxofon bariton în fa
Intinderea scrisă



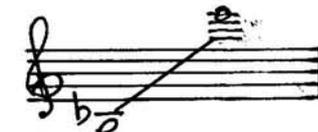
Saxofon bariton în mi bemol
Intinderea scrisă



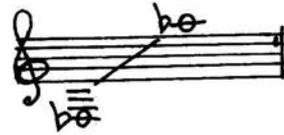
Saxofon bas în do
Intinderea scrisă



Saxofon bas în si bemol
Intinderea scrisă



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect

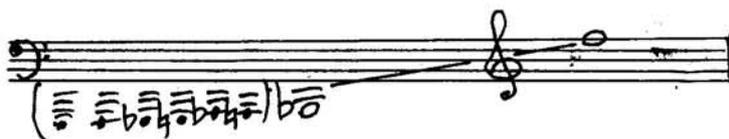


CORNUL

Intinderea scrisă a cornului



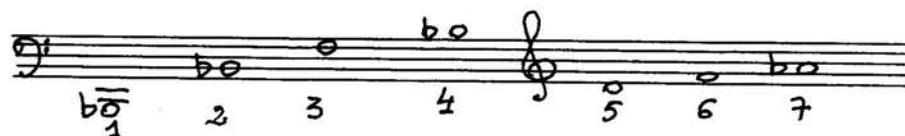
Intinderea efect a cornului



Armonicele efect ale cornului în fa



Armonicele efect ale cornului în si bemol



TROMPETA

Intinderea scrisă a trompetei

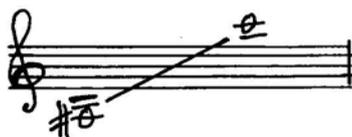


Armonicele trompetei naturale

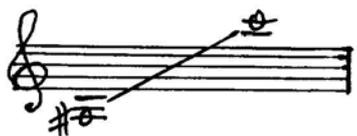


Trompeta în si bemol

Intinderea scrisă



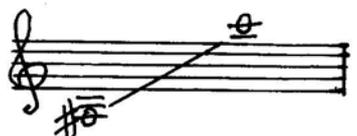
Trompeta în do



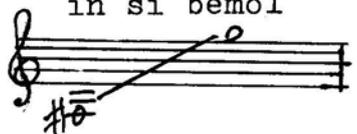
Trompeta acută în re



Trompeta acută în fa



Trompeta supraacută
în si bemol



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect



Intinderea efect



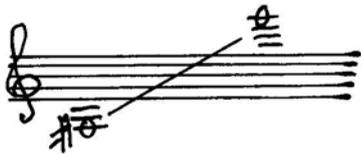
Trompeta bas în mi bemol

Intinderea scrisă



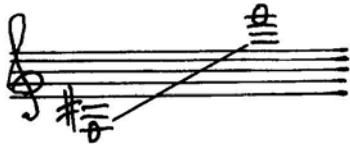
Trompeta bas în do

Intinderea scrisă



Trompeta bas în si bemol

Intinderea scrisă



Intinderea efect



Intinderea efect



Intinderea efect

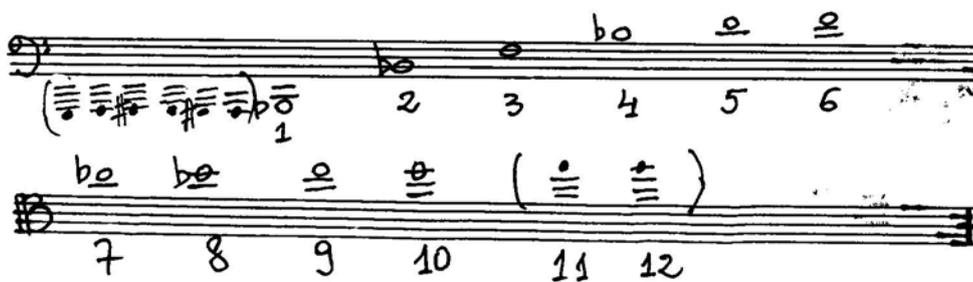


TROMBONUL

Intinderea trombonului



Seria armonicelor trombonului în si bemol



Seria armonicelor trombonului în fa (trombonul cu cvartventil)



FLIGORNI

Fligorni cu trei ventile

Intinderea scrisă



Fligorn supraacut în si bemol, Intinderea scrisă

Intinderea efect



Fligorn supraacut în la

Intinderea efect



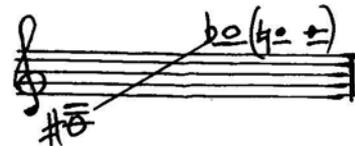
Fligorn supraacut în mi bemol

Intinderea efect



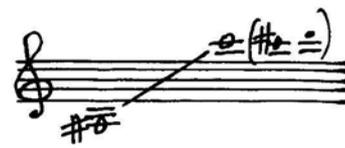
Fligorn supraacut în fa

Intinderea efect



Fligorn sopran în do

Intinderea efect

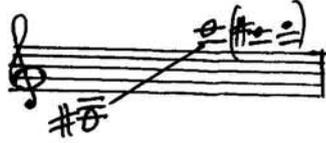


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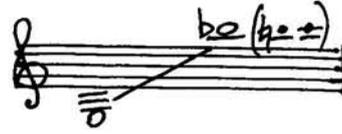
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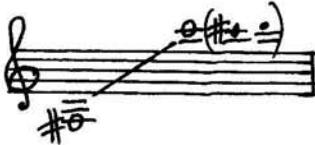
Fligorn sopran în
si bemol



Intinderea efect



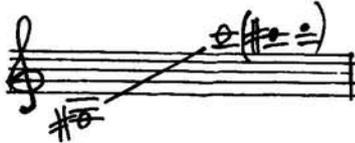
Fligorn sopran în
la



Intinderea efect



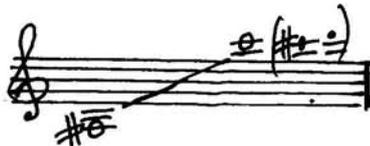
Fligorn alto în
mi bemol



Intinderea efect



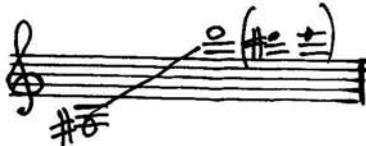
Fligorn alto în fa



Intinderea efect



Fligorn tenor sau bariton
în si bemol

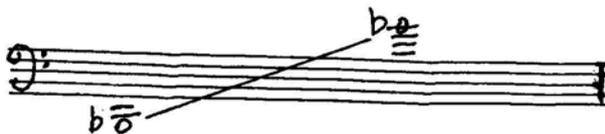


Intinderea efect

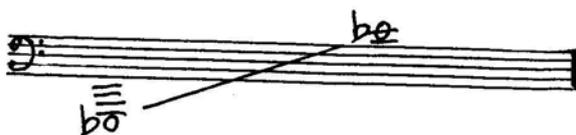


FLIGORNI cu patru ventile

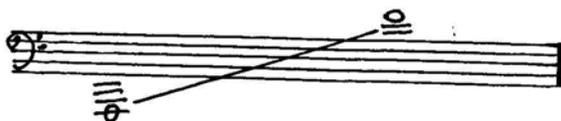
Fligorn bas în si bemol



Fligorn bas grav în mi bemol

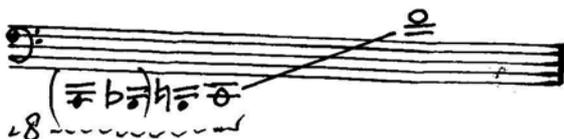


Fligorn bas grav în fa



Fligorn bas grav în fa-si bemol

Tuba dublă contrabas



Tuba bas wagneriană în fa

Intinderea scrisă



Tuba tenor wagneriană

în si bemol



Intinderea efect

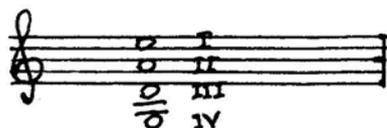


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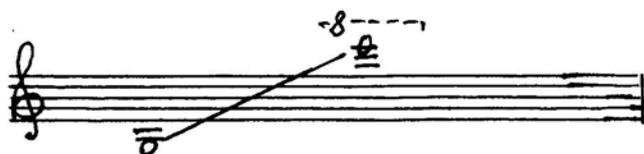


VIOARA

Corzile libere ale viorii



Intinderea viorii



Armonicele naturale pe coarda sol



Armonicele naturale pe coarda re



Armonicele naturale pe coarda la

Handwritten musical notation for natural harmonics on the A string. It consists of two staves. The upper staff shows five harmonic points with a dashed line and the number '8' above the fourth point, indicating the 8th harmonic. The lower staff shows the corresponding chordal structures for each harmonic point.

Armonicele naturale pe coarda mi

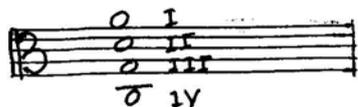
Handwritten musical notation for natural harmonics on the E string. It consists of two staves. The upper staff shows five harmonic points, each with a dashed line and the number '8' above it, indicating the 8th harmonic. The lower staff shows the corresponding chordal structures for each harmonic point.

Armonicele artificiale numărul patru (armonice la cvartă), cel mai des folosite în scriitura pentru orchestră.

Handwritten musical notation for artificial fourth harmonics. It consists of two staves. The upper staff shows five harmonic points with a dashed line and the number '8' above the last two points, indicating the 8th harmonic. The lower staff shows the corresponding chordal structures for each harmonic point.

VIOLA

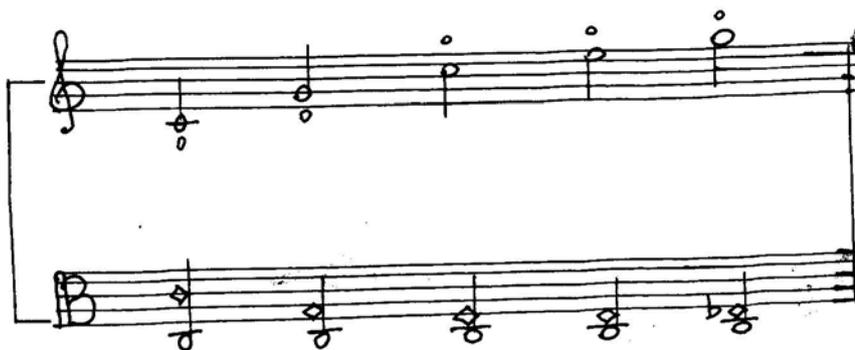
Corzile libere ale violei



Intinderea violei



Armonicele naturale pe coarda do



Armonicele naturale pe coarda sol



Armonicele naturale pe coarda re

Musical notation for natural harmonics on the D string. The top staff is in treble clef and the bottom staff is in bass clef. The notes are: G4 (open), A4 (1st harmonic), B4 (2nd harmonic), C#5 (3rd harmonic), and D5 (4th harmonic).

Armonicele naturale pe coarda la

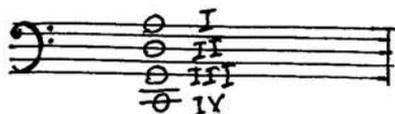
Musical notation for natural harmonics on the A string. The top staff is in treble clef and the bottom staff is in bass clef. The notes are: C#5 (open), D5 (1st harmonic), E5 (2nd harmonic), F#5 (3rd harmonic), and G5 (4th harmonic). The 3rd and 4th harmonics in the top staff have an '8' above them with a dashed line, indicating an octave shift.

Armonicele artificiale numărul patru (armonice la cvartă), cele mai folosite în orchestră.

Musical notation for artificial fourth harmonics. The top staff is in treble clef and the bottom staff is in bass clef. The notes are: F#4, G4, A4, B4, and C5.

VIOLONCELUL

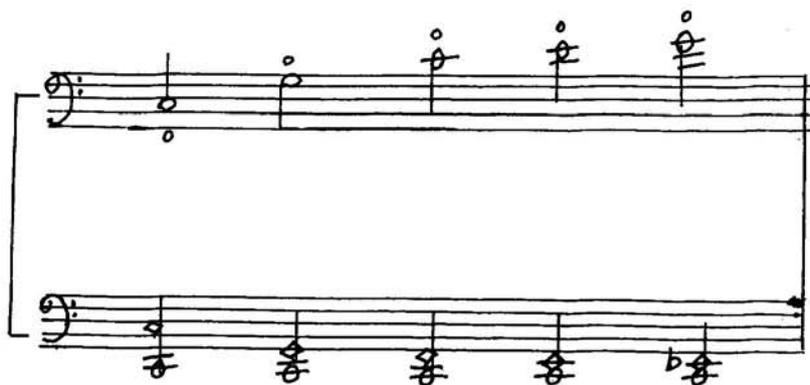
Corzile libere ale violoncelului



Intinderea violoncelului



Armonicele naturale pe coarda do



Armonicele naturale pe coarda sol



Armonicele naturale pe coarda re



Armonicele naturale pe coarda la

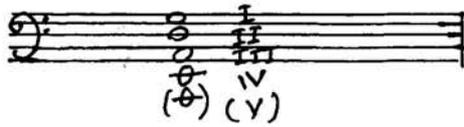


Armonicele artificiale numărul patru (armonice la cvartă), cel mai frecvent folosite în orchestră.

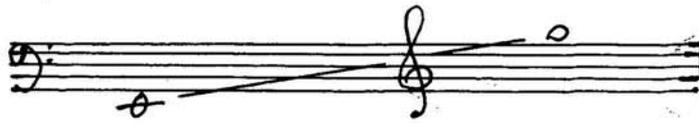


CONTRABASUL

Corzile libere ale contrabasului



Intinderea contrabasului (întinderea scrisă)



Intinderea efect a contrabasului



Armoniciele naturale pe coarda mi



Armoniciele naturale pe coarda la



Armonicele naturale pe coarda re

Musical notation for natural harmonics on the D string. The top staff shows five notes: D4, E4, F#4, G4, and A4. The bottom staff shows five chords: D4, E4, F#4, G4, and A4.

Armonicele naturale pe coarda sol

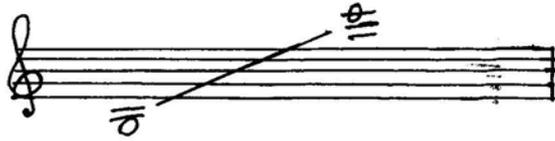
Musical notation for natural harmonics on the G string. The top staff shows five notes: G4, A4, B4, C5, and D5. The bottom staff shows five chords: G4, A4, B4, C5, and D5.

Armonice artificiale numărul patru (armonice de cvartă) folosite cel mai frecvent în orchestră

Musical notation for artificial fourth harmonics. The top staff shows five notes: D4, E4, F#4, G4, and A4. The bottom staff shows five chords: D4, E4, F#4, G4, and A4.

MANDOLINA

Intinderea mandolinei



Corzile libere ale mandolinei



CHITARA

Corzile libere ale chitarei

Intinderea scrisă



Corzile libere ale chitarei

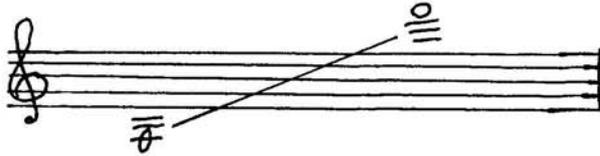
Intinderea efect



INSTRUMENTE DE PERCUTIE SI CULOARE ACORDABILE

VIBRAFONUL

Intinderea vibrafonului



MARIMBAFON

Intinderea marimbafonului

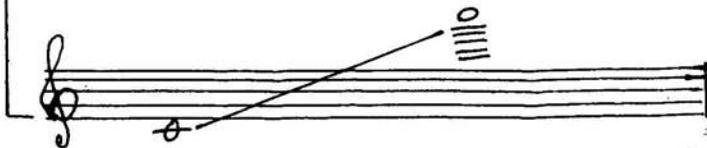


XILOFON

Intinderea xilofonului (întinderea scrisă)



Intinderea efect a xilofonului



CELESTA

Intinderea scrisă a celestei

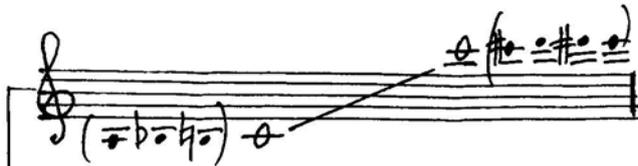


Intinderea efect a celestei



GLOCKENSPIEL

Intinderea scrisă

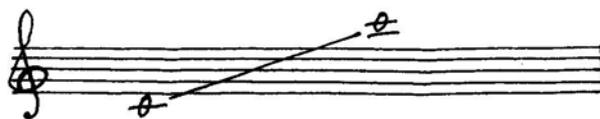


Intinderea efect



FERASTRAU

Intinderea scrisă



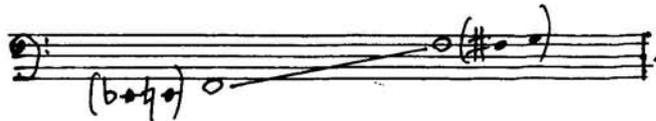
CAMPANE

Intinderea scrisă și efect



TIMPANI

Intinderea timpanilor



Instrumente de percuție neacordabile folosite cel mai frecvent în orchestră: toba mare, toba mică, tamburina, talgerele, crotalurile, trianglu, tom-tom, bongos, taș-taș, maracas, biciul, morișca, lemnul, guiro, mașina de vânt, talăngile, castanietele, ciocanul ș.a.

HARPA

Intinderea harpei



CLAVECIN

Intinderea clavecinului



UNDELE MARTENOT

Intinderea undelor Martenot



ORGA

Intinderea orgăi

Denumirea în limba italiană a instrumentelor orchestrei simfonice:

- flaut -flauto
- oboi -oboe
- clarinet -clarinetto
- fagot-fagotto
- saxofon - saxofono
- corn - corno
- trompetă -tromba
- trombon -trombone
- tuba -tuba
- vioară - violino
- viola -viola
- violoncel-violoncello
- contrabas -contrabasso
- mandolina -mandolino
- chitara -chitarra
- vibrafon-vibrafono
- marimbafon -marimbafono
- xilofon -xilofono
- joc de clopoței -campanelli
- clopote- campane
- timpane -timpani
- toba mare -gran cassa
- toba mică -tamburo piccolo
- tamburina -tamburina
- talgerele- piatti
- trianglu -triangolo
- tom-tom -tom-tom
- bongos - bongos
- tam-tam -tam-tam
- maracas-maracas
- biciul- frusta
- morișca -raganella
- castanietele-castagnetti
- harpa-arpa
- clavecin -cembalo
- orga-organo