

# die himmelsmechanik

orchestra

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die himmelsmechanik  
celestial mechanics

orchester  
orchestra

eva-maria houben  
2012

„das orgelspiel des himmels“ (tschuang tse)

Für Man Won Kim, Roland Pröll und die koreanischen Freunde –  
und für Morton Feldman (in Erinnerung an „Palais de Mari“)

2 flutes

1 oboe

1 cor anglais

2 clarinets in B flat

2 bassoons

2 horns in F

2 trumpets in B flat

2 trombones

timpani

percussion (marimba, glockenspiel, drum, claves)

violin I

violin II

viola I

viola II

violoncello I

violoncello II

double bass

I:

in quiet motion.

floating softly and tenderly.

all sounds – if procurable – „dal niente“ and „al niente“:



II:

the entries in the given measure.

the sounds fade away freely (open end):



for all sounds: “laissez vibrer”.

each sound (except of the percussion-sounds) one quiet breath,  
one quiet bow.

☉ : a short stop when the last sound has died away.

III:

a tempo (in quiet motion) as I, but perhaps even somewhat  
calmer.

: ☉ : | : repeat several times.

# I

flute 1,2

oboe  
cor anglais F

clarinet 1,2 B

bassoon 1,2

horn 1,2

trumpet 1,2 B

trombone 1,2

timpani

percussion  
claves

violin I

violin II

viola I

viola II

cello I

cello II

double bass

percussion

violin I

violin II

viola I,II

cello I

cello II

double bass



percussion

claves

drum

violin I, II

viola I

viola II

cello I

cello II

double bass

flute 1

flute 2

clarinet 1

clarinet 2

horn 1

horn 2

trombone 1

trombone 2



flute 1

flute 2

oboe

cor anglais

horn 1

horn 2

trombone 1

trombone 2

flute 1,2

oboe  
cor anglais

clarinet 1,2

bassoon 1,2

bassoon 1

bassoon 2

trumpet 1

trumpet 2

percussion  
claves

violin I

violin II

viola I

viola II

cello I

cello II

double bass



flute 1,2

oboe

cor anglais

clarinet 1,2

bassoon 1,2

horn 1,2

trumpet 1,2

trombone 1,2

percussion

claves

violin I

violin II

viola I

viola II

cello I

cello II

double bass

con sord.

Detailed description: This page of a musical score contains 13 staves. The woodwind section (flute, oboe, cor anglais, clarinet, bassoon) and brass section (horn, trumpet, trombone) are mostly silent, with a few notes in the clarinet and bassoon parts. The percussion part features a single measure of claves. The string section (violin I, violin II, viola I, viola II, cello I, cello II, double bass) plays a melodic line consisting of eighth notes with slurs and accents. The horn part includes the instruction 'con sord.' (con sordina).

oboe

cor anglais

percussion  
claves

violin I

violin II

viola I

viola II

cello I

cello II

double bass



clarinet 1

clarinet 2

horn 1

horn 2

# II

flute 1

flute 2

clarinet 1

clarinet 2

bassoon 1

bassoon 2

percussion

glockenspiel

violin I

violin II

viola I

viola II

cello I

cello II

double bass

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

percussion

marimba

violin I

violin II

viola I

viola II

cello I

cello II

double bass

Detailed description: This page of a musical score contains 15 staves. The woodwind section (flutes, oboe, cor anglais, clarinets) and strings (violins, violas, cellos, double bass) play sustained notes with long slurs. The percussion section includes a marimba part with a single note and a small flourish. The notation is in treble clef for woodwinds and violins, and bass clef for strings and marimba. The key signature has one sharp (F#).

horn 1

horn 2

trombone 1

trombone 2

percussion

glockenspiel

violin I

violin II

viola I

viola II

cello I

cello II

double bass

The musical score for page 9 consists of ten staves. Horn 1 and Horn 2 play a half note G#4. Trombone 1 and Trombone 2 play a half note G2. Percussion is silent. Glockenspiel plays a half note G#4. Violin I and Violin II play a half note G4. Viola I and Viola II play a half note G3. Cello I and Cello II play a half note G2. Double bass plays a half note G1. All notes are beamed together and have a slur above them.

oboé

cor anglais

clarinet 1

clarinet 2

percussion

marimba

violin I

violin II

viola I,II

double bass

Detailed description: This page of a musical score contains ten staves. The oboe staff has a whole note G4 with a slur. The cor anglais staff has a whole rest. Clarinet 1 has a whole note G4 with a slur. Clarinet 2 has a whole note G4 with a slur. The percussion staff has a fermata. The marimba staff has a whole note chord of G4 and F4 with a slur. Violin I and II have whole notes G4 with slurs and a dynamic marking of  $p$ . Viola I,II has a whole note G4 with a slur and a dynamic marking of  $f$ . The double bass staff has a whole note G2 with a slur.

flute 1

flute 2

clarinet 1

clarinet 2

horn 1

horn 2

trumpet 1

trumpet 2

percussion

glockenspiel

viola I

viola II

cello I

cello II

double bass

con sord.

The musical score for page 11 features the following instruments and parts:

- Flutes:** Flute 1 and Flute 2, both playing a half note G4.
- Clarinets:** Clarinet 1 plays a half note G4 with a sharp sign (#). Clarinet 2 plays a half note F4.
- Horns:** Horn 1 and Horn 2 play a half note G4.
- Trumpets:** Trumpet 1 plays a half note G4 with a sharp sign (#) and is marked "con sord.". Trumpet 2 plays a half note F4.
- Percussion:** Glockenspiel part with a half note G2.
- Violas:** Viola I and Viola II, both playing a half note G2.
- Cellos:** Cello I and Cello II, both playing a half note G2.
- Double Bass:** Playing a half note G1.

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

percussion

marimba

violin I

violin II

Detailed description: This page of a musical score contains ten staves. The woodwind section includes flutes 1 and 2, oboe, cor anglais, clarinet 1, and clarinet 2. The percussion section is empty. The marimba part features a melodic line with a fermata. The string section includes violin I and violin II, both with a single note and a fermata.



flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

bassoon 1,2

horn 1

horn 2

trumpet 1

trumpet 2

trombone 1

trombone 2

percussion

glockenspiel

cello I

cello II

double bass

con sord.

Detailed description: This page of a musical score contains 14 staves. The instruments are listed on the left: flute 1, flute 2, oboe, cor anglais, clarinet 1, clarinet 2, bassoon 1,2, horn 1, horn 2, trumpet 1, trumpet 2, trombone 1, trombone 2, percussion (glockenspiel), cello I, cello II, and double bass. The score is written in a key signature of one flat (B-flat) and a common time signature (C). The music is primarily composed of sustained notes with long, sweeping slurs. The trumpet 1 part includes the instruction 'con sord.' (con sordina) near the end of the page. The percussion part features a glockenspiel line with a few notes and slurs. The woodwinds and brass instruments have various rhythmic values, including quarter and eighth notes, often beamed together or with slurs. The strings (cello and double bass) play a steady accompaniment with slurs.

flute 1

oboe

clarinet 1,2

bassoon 1,2

horn 1,2

trumpet 1

trombone 1,2

percussion

marimba

violin I

violin II

viola I

viola II

cello I

cello II

con sord.

Detailed description: This is a page of a musical score for a symphony orchestra. It features 15 staves, each representing a different instrument or section. The instruments listed are flute 1, oboe, clarinet 1,2, bassoon 1,2, horn 1,2, trumpet 1, trombone 1,2, percussion (with a marimba part), violin I, violin II, viola I, viola II, cello I, and cello II. The score shows musical notation including rests, notes, and slurs. A key signature of one flat (B-flat) is indicated at the beginning of the horn, trombone, and marimba parts. The trumpet 1 part includes the instruction 'con sord.' (con sordina) at the end of the line.

# III

**a tempo**

timpani

double bass

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

percussion

claves

violin I, II

viola I

viola II

cello I

cello II

double bass

very softly

8

Double bar line

Detailed description: This page of a musical score, numbered 15, is titled 'III' and marked 'a tempo'. It features a variety of instruments. The timpani part at the top has a melodic line with three notes (F#4, G4, A4) marked 'very softly'. The double bass part has a simple bass line. The woodwind section includes flute 1 and 2, oboe, cor anglais, and two clarinets, with various melodic and harmonic parts. The percussion part includes a claves pattern. The string section consists of violin I and II, two violas, two cellos, and a double bass, all playing sustained notes with some melodic movement. A double bar line is present on the left side of the page.

clarinet 1

clarinet 2

bassoon 1

bassoon 2



timpani

violin I

violin II

viola I

viola II

cello I

cello II

double bass

very softly

div.

div.

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

bassoon 1

bassoon 2

horn 1

horn 2

trumpet 1

trumpet 2

trombone 1

trombone 2

percussion

claves

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

bassoon 1

bassoon 2

horn 1

horn 2

trumpet 1

trumpet 2

trombone 1

trombone 2

percussion

claves

Detailed description: This is a page of a musical score, page 18, for a woodwind and brass ensemble. The score consists of 15 staves. The instruments are listed on the left: flute 1, flute 2, oboe, cor anglais, clarinet 1, clarinet 2, bassoon 1, bassoon 2, horn 1, horn 2, trumpet 1, trumpet 2, trombone 1, trombone 2, and percussion. The percussion part includes a pair of claves. The music is written in a key signature of one sharp (F#) and a common time signature (C). The flute 1 part has notes on the 2nd, 3rd, and 5th measures. The flute 2 part has notes on the 2nd, 3rd, and 5th measures. The oboe part has a note on the 1st measure. The cor anglais part has notes on the 2nd, 3rd, and 5th measures. The clarinet 1 part has notes on the 1st and 2nd measures. The clarinet 2 part has a note on the 1st measure. The bassoon 1 part has a note on the 3rd measure. The bassoon 2 part has a note on the 3rd measure. The horn 1 and horn 2 parts are silent. The trumpet 1 and trumpet 2 parts are silent. The trombone 1 and trombone 2 parts are silent. The percussion part has a pair of claves that play on the 5th measure.

flute 1

flute 2

oboe

cor anglais

clarinet 1

clarinet 2

bassoon 1

bassoon 2

horn 1

horn 2

trumpet 1

trumpet 2

trombone 1

trombone 2

con sord.

This musical score page features 14 staves for various instruments. The woodwind section includes flute 1, flute 2, oboe, cor anglais, clarinet 1, clarinet 2, bassoon 1, and bassoon 2. The brass section includes horn 1, horn 2, trumpet 1, trumpet 2, trombone 1, and trombone 2. The notation is as follows:

- Flute 1:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (half), F#5 (quarter), F#5 (half).
- Flute 2:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Oboe:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Cor anglais:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Clarinet 1:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Clarinet 2:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Bassoon 1:** Bass clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Bassoon 2:** Bass clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Horn 1:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Horn 2:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Trumpet 1:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Trumpet 2:** Treble clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Trombone 1:** Bass clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).
- Trombone 2:** Bass clef, key signature of one sharp (F#). Notes: F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (quarter), F#4 (half).

Vertical bar lines are placed at the end of the first, second, and fourth measures. The first measure contains a double bar line with two dots above it. The second measure contains a double bar line with two dots above it. The fourth measure contains a double bar line with two dots above it.