

This produces the unified index

LilyPond

subtitle Le système de gravure musicale
d'initiation

LilyPond

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Pour LilyPond version 2.12.2

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Translators: Sawada, Yoshiki Translation status: post-GDP

Preface

1995 EJE (Eindhoven Youth Orchestra) – - (MPP – MusiXTeX)- MPP email - 1996
LilyPond -

() – -

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Han-Wen Jan

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1 Introduction

LilyPond

1.1 Background

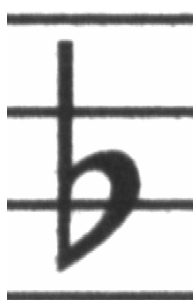
LilyPond

Engraving

() (: engraving) () ; () 5 5

; email

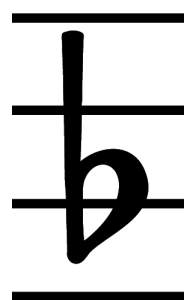
introduce illustrating aspects of engraving, font... 3 LilyPond ; (Barenreiter:) 2



Henle (2000)



Bärenreiter (1950)



LilyPond Feta font
(2003)

introduce illustrating aspects of engraving, spacing... 2 : 1 2

file spacing-optical. need to include it here, because we want two images.



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() () / (/) / 2 / 2

(5) - -

2 :

- - LilyPond

Automated engraving

10

LilyPond

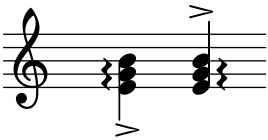
LilyPond LilyPond C++ :

Pond())(*LilyPond*)

- - C++
- Scheme LilyPond

Scheme Scheme

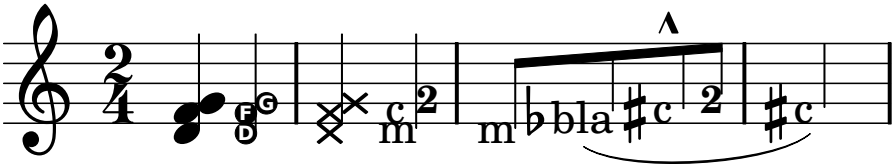
Scheme () () 2 () 2 ()



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--



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: ()



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What symbols to engrave?

--
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(): -- engraver ()
Note_heads_engraver

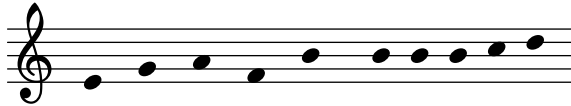


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Staff_symbol_engraver



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Clef_engraver



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Stem_engraver ()



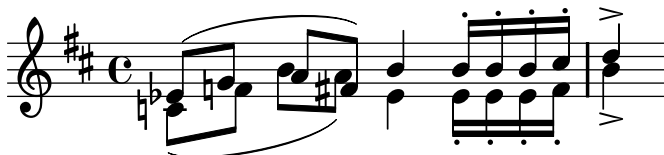
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Stem_engraver () 1 () ()



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() 1

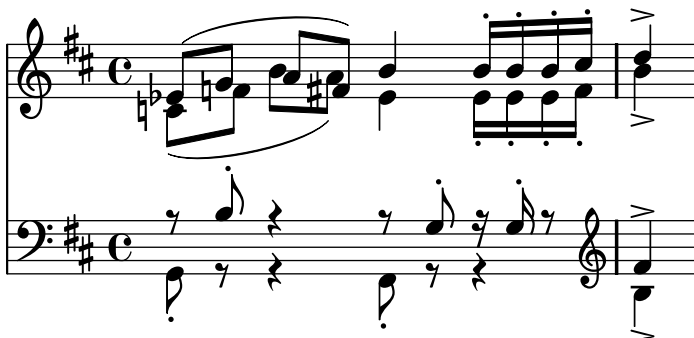


eof

‘Voice context’ () ‘Staff context’ () (Score)

See also

: Section “Contexts” in *Internals Reference*.



eof

Music representation

:

LilyPond

```
{
  c'4 d'8
}
```

```
4 C1 ( C (=)) 8 D1 ( C D (=))
```



eof

Note: C = , D = , E = , F = , G = , A = , B = LilyPond "CDE "

:

f4



eof

<< >> :

<<c4 d4 e4>>



eof

{ ... } :

{ f4 << c4 d4 e4 >> }



eof

1 << ,

, and >> (2) :

<< g2



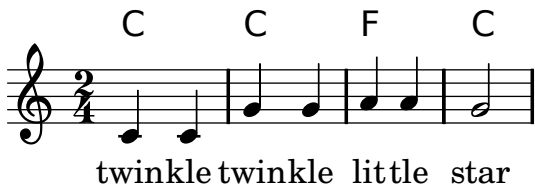
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LilyPond
LilyPond LilyPond : : 10

Example applications

LilyPond



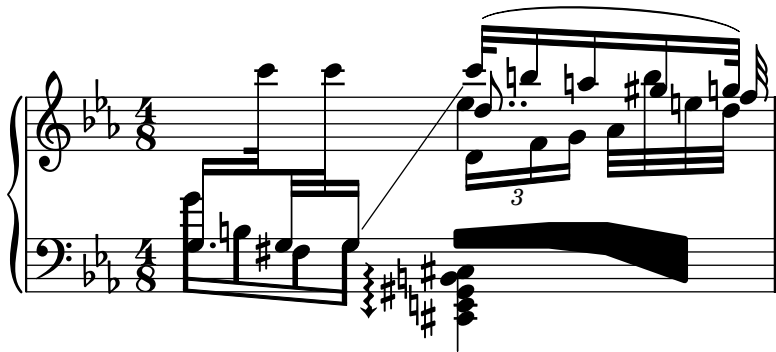
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Screech and boink
Random complex notation

Han-Wen Nienhuys



eof
: - , HTML, Texinfo - PDF HTML

1.2 About the documentation

leave these lines wrapping around. It’s some texinfo 4.12 thing. -gp ¶ This is actually a limitation of texi2html. -jm

About the Learning Manual

LilyPond
:

About the Music Glossary

About the Notation Reference

About the Application Usage

About the Snippet List

About the Internals Reference

Other documentation

⌘ SKELETON FILE – ⌘*- coding: utf-8; mode: texinfo; documentlanguage: ja -*- ⌘ This file is
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2 Tutorial

2.1 First steps

2.1.1 Compiling a file

Entering music and viewing output

MacOS X

Windows

UNIX

2.1.2 Simple notation

Pitches

Durations (rhythms)

Rests

Time signature

Clef

All together

2.1.3 Working on input files

2.1.4 How to read the manual

Clickable examples

2.2 Single staff notation

2.2.1 Accidentals and key signatures

Accidentals

Key signatures

Warning: key signatures and pitches

2.2.2 Ties and slurs

Ties

Slurs

Phrasing slurs

Warnings: slurs vs. ties

2.2.3 Articulation and dynamics

Articulations

Fingerings

Dynamics

2.2.4 Adding text

2.2.5 Automatic and manual beams

2.2.6 Advanced rhythmic commands

Partial measure

Tuplets

Grace notes

2.3 Multiple notes at once

2.3.1 Music expressions explained

Analogy: mathematical expressions

Simultaneous music expressions: multiple staves

Simultaneous music expressions: single staff

2.3.2 Multiple staves

2.3.3 Staff groups

2.3.4 Combining notes into chords

2.3.5 Single staff polyphony

2.4 Songs

2.4.1 Setting simple songs

2.4.2 Aligning lyrics to a melody

2.4.3 Lyrics to multiple staves

2.5 Final touches

2.5.1 Organizing pieces with variables

2.5.2 Version number

2.5.3 Adding titles

2.5.4 Absolute note names

2.5.5 After the tutorial

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3 Fundamental concepts

3.1 How LilyPond input files work

3.1.1 Introduction to the LilyPond file structure

3.1.2 Score is a (single) compound musical expression

3.1.3 Nesting music expressions

3.1.4 On the un-nestedness of brackets and ties

3.2 Voices contain music

3.2.1 I'm hearing Voices

3.2.2 Explicitly instantiating voices

Note columns

3.2.3 Voices and vocals

3.3 Contexts and engravers

3.3.1 Contexts explained

3.3.2 Creating contexts

3.3.3 Engravers explained

3.3.4 Modifying context properties

Setting context properties with

Setting context properties with

3.3.5 Adding and removing engravers

Changing a single context

Changing all contexts of the same type

3.4 Extending the templates

3.4.1 Soprano and cello

3.4.2 Four-part SATB vocal score

3.4.3 Building a score from scratch

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4 Tweaking output

4.1 Tweaking basics

4.1.1 Introduction to tweaks

4.1.2 Objects and interfaces

4.1.3 Naming conventions of objects and properties

4.1.4 Tweaking methods

4.2 The Internals Reference manual

4.2.1 Properties of layout objects

Finding the context

Overriding once only

Reverting

4.2.2 Properties found in interfaces

Specifying the context in lyric mode

4.2.3 Types of properties

4.3 Appearance of objects

4.3.1 Visibility and color of objects

stencil

break-visibility

transparent

color

4.3.2 Size of objects

4.3.3 Length and thickness of objects

4.4 Placement of objects

4.4.1 Automatic behavior

4.4.2 Within-staff objects

Fingering

4.4.3 Outside-staff objects

Dynamics

Grob sizing

4.5 Collisions of objects

4.5.1 Moving objects

4.5.2 Fixing overlapping notation

padding property

left-padding and right-padding

staff-padding property

self-alignment-X property

staff-position property

extra-offset property

positions property

force-hshift property

4.5.3 Real music example

4.6 Further tweaking

4.6.1 Other uses for tweaks

Tying notes across voices

Simulating a fermata in MIDI

4.6.2 Using variables for tweaks

4.6.3 Other sources of information

4.6.4 Avoiding tweaks with slower processing

4.6.5 Advanced tweaks with Scheme

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5 Working on LilyPond projects

5.1 Suggestions for writing LilyPond input files

5.1.1 General suggestions

5.1.2 Typesetting existing music

5.1.3 Large projects

5.1.4 Saving typing with variables and functions

5.1.5 Style sheets

5.2 When things don't work

5.2.1 Updating old input files

5.2.2 Troubleshooting (taking it all apart)

5.2.3 Minimal examples

5.3 Scores and parts

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Appendix A Templates

A.1 Single staff

A.1.1 Notes only

A.1.2 Notes and lyrics

A.1.3 Notes and chords

A.1.4 Notes, lyrics, and chords.

A.2 Piano templates

A.2.1 Solo piano

A.2.2 Piano and melody with lyrics

A.2.3 Piano centered lyrics

A.2.4 Piano centered dynamics

A.3 String quartet

A.3.1 String quartet

A.3.2 String quartet parts

A.4 Vocal ensembles

A.4.1 SATB vocal score

A.4.2 SATB vocal score and automatic piano reduction

A.4.3 SATB with aligned contexts

A.5 Ancient notation templates

A.5.1 Transcription of mensural music

A.5.2 Gregorian transcription template

A.6 Jazz combo

A.7 Lilypond-book templates

A.7.1 LaTeX

A.7.2 Texinfo

A.7.3 xelatex

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Appendix B Scheme tutorial

B.1 Tweaking with Scheme

-- SKELETON FILE --

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Local Variables: ispell-local-pdict: "ispell-dict" End:

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