LilyPond

The music typesetter

Other regression tests

The LilyPond development team

Table of Contents

Introduction 1

Regression test cases 2

base-moment.ly 2
binary-search.ly 2
bookmark-encoding.ly 2
completion-unit-as-moment.ly 2
context-property-check.ly 2
display-lily-tests.ly 2
embed-source-code-include-multiple-times.ly 3
embed-source-code-order.ly 3
embed-source-code.ly 3
engraver-order.ly 3
get-deprecated-property-special-warning.ly 4
grace-start-and-length.ly 4
grid-interval-as-moment.ly 4
grob-array-list.ly 4
lilypond-version-outdated.ly 4
markup-to-string.ly 4
markup-with-relative-dir.ly 4
measure-length-as-moment.ly 5
minimum-repeat-length-for-page-turn.ly 5
number-to-duration.ly 5
override-non-existent-property.ly 5
override-property-wrong-type.ly 5
page-turn-minimum-rest-length.ly 5
proportional-notation-duration-as-moment.ly 6
regex.ly 6
repeat-start-and-length-no-alternatives.ly 6
repeat-start-and-length-with-alternatives.ly 6
rhythmic-location-dead-grob.ly 6
scheme-error-locations-include-files.ly 6
scheme-error-locations-included-string.ly 6
scheme-error-locations.ly 6
set-deprecated-property-special-warning.ly 6
set-deprecated-property-wrong-type.ly 7
set-non-existent-property-scheme.ly 7
set-non-existent-property.ly 7
set-property-wrong-type.ly 7
start-and-length.ly 7
suggest-convert-ly.ly 7
syntax-function-curried.ly 7
syntax-function-docstring.ly 7
syntax-function-rest.ly 7
tempo-wholes-per-minute-as-moment.ly 8
translator-duplicate.ly 8
tuplet-spanner-duration-as-moment.ly 8
unset-non-existent-property-scheme.ly 8

unset-non-existent-property.ly 8
unspecified-from-callback.ly 8
version-incomplete-bad.ly 8
version-incomplete-good.ly 9
version-invalid.ly 9
version-outdated-error.ly 9
void-function-empty.ly 9
volta-spanner-duration-as-moment.ly 9

Introduction

This document presents regression tests for LilyPond development that don't have visually significant output; it mainly exists for completeness and to make the test documentation better available.

In the web version of this document, you can click on the figure for each example to see the corresponding input file.

Regression test cases

base-moment.ly

The deprecated context property `baseMoment` accesses the value of `beatBase`.

binary-search.ly

The `binary-search` function works as documented.

bookmark-encoding.ly

PDF bookmarks can contain UTF-8 characters. They are correctly rendered in PDF viewers.

Note: due to the way the regression test infrastructure currently works, any breakage in this test will not be noticed automatically.

Table of Contents

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completion-unit-as-moment.ly

The deprecated context property `completionUnitAsMoment` accesses the value of `completionUnit`.

context-property-check.ly

This test covers `\contextPropertyCheck`. It should run with expected warnings. The visual output is not important.

display-lily-tests.ly

This is a test of the display-lily-music unit. Problems are reported on the stderr of this run.

embed-source-code-include-multiple-times.ly

With the `-dembed-source-code` option, a file included multiple times is only embedded once.

Note: with the current regression testing infrastructure, any breakage of this test will not be noticed in `make check`.

embed-source-code-order.ly

When using the `-dembed-source-code` option, embedded files are displayed in alphabetical order.

Note: with the current regression testing infrastructure, any breakage of this test will not be noticed in `make check`.

embed-source-code.ly

`-dembed-source-code` embeds source files in PDFs, including include files, images and verbatim files.

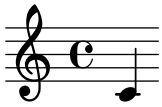
Note: with the current regression testing infrastructure, any breakage of this test will not be noticed in `make check`.

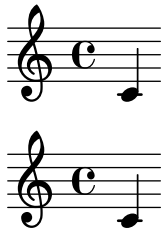
```
Lorem ipsum dolor sit amet.
```

engraver-order.ly

Engravers are run in the same order as they are specified (although it is generally preferred that the order does not matter).

This tests contains several scores, which output “Engraver 1 ran” and “Engraver 2 ran” in the log file. The order between these two lines in each score is what matters.





get-deprecated-property-special-warning.ly

Getting a deprecated property may issue a special warning.

grace-start-and-length.ly

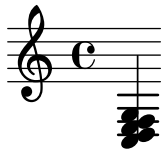
This tests the calculation of music start and length for various kinds of grace music. Problems are reported on stderr.

grid-interval-as-moment.ly

The deprecated context property `gridIntervalAsMoment` accesses the value of `gridInterval`.

grob-array-list.ly

Conversions are possible between grob arrays and grob lists.



lilypond-version-outdated.ly

Test for versions considered outdated or not (used when suggesting `convert-ly`).

markup-to-string.ly

`markup->string` takes a markup and tries to convert it into an approximate string representation.

markup-with-relative-dir.ly

The function `\withRelativeDir` helps `\markup` find input files relative to the input file, without using `lilypond`'s command line option `-I`.

To actually test this, `lilypond` should be called from another directory, for example

```
lilypond other/markup-with-relative-dir.ly
```

Note: with the current regression testing infrastructure it is not possible to check whether the command actually does its job.

```
Lorem ipsum dolor sit amet.
```

measure-length-as-moment.ly

The deprecated context property `measureLengthAsMoment` accesses the value of `measureLength`.

minimum-repeat-length-for-page-turn.ly

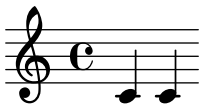
The deprecated context property `minimumRepeatLengthForPageTurn` accesses the value of `pageTurnMinimumRepeatLength`.

number-to-duration.ly

This tests the internal function `ly:number->duration`. Problems are reported on stderr.

override-non-existent-property.ly

`\override` warns and rejects the assignment if the property does not exist.



override-property-wrong-type.ly

`\override` warns and rejects the assignment if the value does not match the property's type predicate.

page-turn-minimum-rest-length.ly

The deprecated context property `minimumPageTurnLength` accesses the value of `pageTurnMinimumRestLength`.

proportional-notation-duration-as-moment.ly

The deprecated context property `proportionalNotationDurationAsMoment` accesses the value of `proportionalNotationDuration`.

regex.ly

Test the behavior of regular expression functions.

repeat-start-and-length-no-alternatives.ly

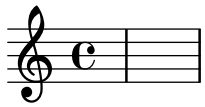
This tests the calculation of music start and length for various kinds of repeated music without alternatives. Problems are reported on stderr.

repeat-start-and-length-with-alternatives.ly

This tests the calculation of music start and length for various kinds of repeated music with alternatives. Problems are reported on stderr.

rhythmic-location-dead-grob.ly

`grob::when` and `grob::rhythmic-location` also work on dead grobs.



scheme-error-locations-include-files.ly

In `-dcompile-scheme-code` mode, source locations are printed for Scheme errors, even if the faulty Scheme code is in an include file.

scheme-error-locations-included-string.ly

`-dcompile-scheme-code` also works with expressions included by `ly:parser-include-string` and `ly:parser-parse-string`. This test should print two Scheme errors. (However, providing error messages that point to the precise form that fails is not currently implemented for included strings of code.)

scheme-error-locations.ly

When using the `-dcompile-scheme-code` option, Scheme errors point at the precise form where the error occurs (this is limited by the precision of the information Guile provides).

set-deprecated-property-special-warning.ly

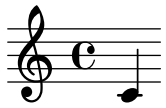
Setting a deprecated property may issue a special warning.

set-deprecated-property-wrong-type.ly

`\set` warns and refuses to assign a value that does not match a deprecated property's type predicate.

set-non-existent-property-scheme.ly

`ly:context-set-property!` warns if the property does not exist.

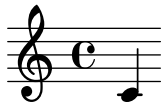


set-non-existent-property.ly

`\set` warns and rejects the assignment if the property does not exist.

set-property-wrong-type.ly

`\set` warns and rejects the assignment if the value does not match the property's type predicate.



start-and-length.ly

This tests the calculation of music start and length for various kinds of music. Problems are reported on stderr.

suggest-convert-ly.ly

When the file's version statement is outdated and compilation fails, a message is printed to encourage use of `convert-ly`.

syntax-function-curried.ly

Syntax functions can use curried definitions.

syntax-function-docstring.ly

Syntax functions' docstrings are preserved (mainly for the sake of doc autogeneration).

syntax-function-rest.ly

Syntax functions can use rest arguments.

tempo-wholes-per-minute-as-moment.ly

The deprecated context property `tempoWholesPerMinuteAsMoment` accesses the value of `tempoWholesPerMinute`.

translator-duplicate.ly

Only one instance of a translator can exist in a context. Duplicates are eliminated.

tuplet-spanner-duration-as-moment.ly

The deprecated context property `tupletSpannerDurationAsMoment` accesses the value of `tupletSpannerDuration`.

unset-non-existent-property-scheme.ly

`ly:context-unset-property` warns if the property does not exist.

unset-non-existent-property.ly

`\unset` warns if the property does not exist.

unspecified-from-callback.ly

Callbacks returning `*unspecified*` are only run once, as all callbacks.

version-incomplete-bad.ly

An incomplete version statement, with the third number omitted, is rejected if the second number is odd.

version-incomplete-good.ly

An incomplete version statement, with the third number omitted, is accepted if the second number is even. This also tests the message suggesting `convert-ly` in such cases.

version-invalid.ly

An invalid `\version` statement should result in an error and a nonzero return code.

version-outdated-error.ly

A `\version` statement newer than the running version of LilyPond should result in an error and a nonzero return code.

void-function-empty.ly

A void function's body can be empty.

volta-spanner-duration-as-moment.ly

The deprecated context property `voltaSpannerDurationAsMoment` accesses the value of internal property `voltaBracketMusicalLength`.