

# Main differences between V1.11.4 and V1.12.1

De Wiki

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[Main differences between V1.11.4 and V1.12.1](#)

Several interesting evolutions and corrections in this new version:

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## GCalculator with SQLite file

Now the [GCalculator](#) widget used inside the [GPlotPanel](#) widget is able to manage [SQLite](#) files.

## Possibility to read a file where a tab is missing

In the previous versions, if we added a new tab in our application, it was not possible to read an old context with only (n-1) tabs. Now, as for any other basic input widgets, this functionality is available using "by default" values.

## Buffered console in the standard application GUI

There is the possibility to use a [GBufferedTextArea](#) widget for the console of a standard application. Nevertheless, it will be mandatory to add an "exit" line of code at the end of the batch computation:

```
batch = new BatchSW(nomFicData, nomFicEphem);  
batch.compute();  
System.exit(0); // Useful when GBufferedTextArea is used
```

## Possibility to save a GPlot configuration

Now, using [GPlotPanel](#), it is possible to save a plot configuration (then to load it) that will include:

- name of the used file,
- type of plots,
- titles,
- zooms,

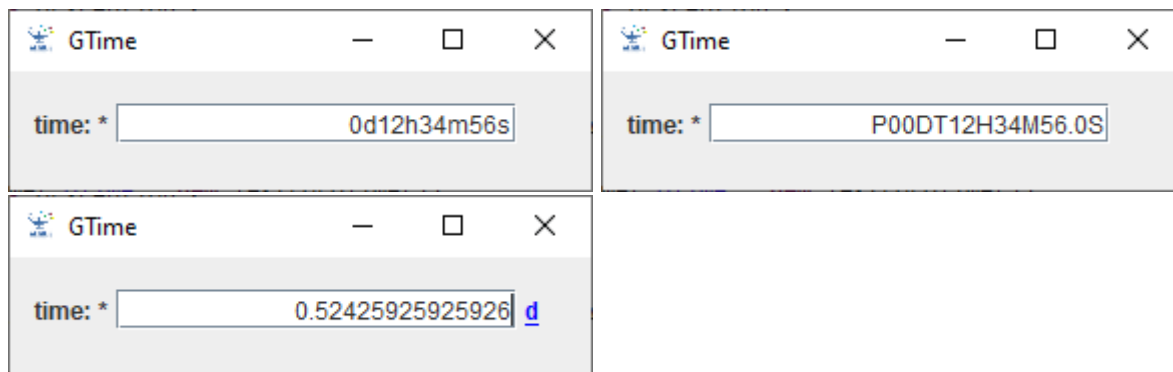
- ...

This functionality is still incomplete and will be improved in the next versions.

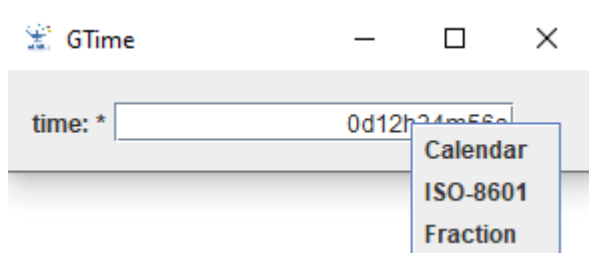
## New display formats for GTime

There are new possibility for duration display using [GTime](#) widget :

- as in the previous version (calendar format),
- as a double value with units "s", "m", "h", "d", etc.
- using ISO-8601 format (for example PT6H for 6h00)



Change (and conversion) of the format is done using a right click on the input field.



## Anomaly corrections

- [GTime](#):
  - The unit used for a day is "**d**" and no more "**j**" (even if this unit is maintained).
  - Method [update\(\)](#) is now public.
  - The name of the method to add an interval of validity is now [addGInterval\(\)](#) rather than [addInterval\(\)](#).
  - The text used for the interval of validity tooltip is corrected and more explicit.
- [GTabbedPane](#): increasing robustness when tabs are created when reading a context file.
- [GComponentList](#): now the "Duplicate" option only appears if [Cloneable](#) interface is available.

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