

# An example of using Ticking Digital Clock in Beamer

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# Introduction

We are putting here a clock with the macro `\tdclock`:

Before that, the macro `\initclock` must have been used (only one time !).

Here we have inserted the clock at the place reserved to the date, the foot line in the case of Madrid theme.

To do that, we have redefined the date contents with the order

```
\date{\tddate\ \ \tdtime}
```

Note that color and font size are adjusted according to the theme.

Look at the foot!, the clock must be running.

Next, we have inserted a button to toggle between clock and stopwatch, and a button to reset the stopwatch to zero.

toggle

reset

Click at the left button, see what happens (you must wait 10 seconds), then click at the right button and see the result. Finally, click at the left button again to recover the current time

To do that, we have used

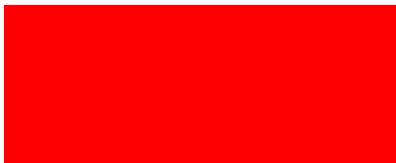
```
\toggleclock{\beamerbutton{toggle}}  
\tdtime  
\resetcrono{\beamerbutton{reset}}
```

Here we change the color and size of the clock with standard  $\text{\LaTeX}$  commands.



```
\textcolor{blue}{\Large \tdhours.\tdminutes}}: .
```

Here a huge yellow clock showing only hours and minutes, inside a red box

```
\hhmm \factorclockfont{6.0} \tdtime
```



## Time-Date-Crono macros

<code>\initclock</code>		initialize clock
<code>\tickingclock</code>		complete clock
<code>\tickingtime</code>		current time
<code>\tickingdate</code>		current date
<code>\tickingday</code>		current day
<code>\tickingmonth</code>		current month
<code>\tickingyear</code>		current year
<code>\tickinghours</code>		current hours
<code>\tickingminutes</code>		current minutes
<code>\tickingseconds</code>		current seconds
<code>\crono</code>		stopwatch
<code>\cronohours</code>		crono hours
<code>\cronominutes</code>		crono minutes
<code>\cronoseconds</code>		crono seconds
<code>\resetcrono</code>		sets crono time to zero
<code>\toggleclock</code>		toggle time-crono

## Formatting macros

<code>\hhmm</code>		format time
<code>\hhmmss</code>		format time
<code>\mddyyyy</code>		format date
<code>\ddmmyyyy</code>		format date
<code>\dateseparator</code>	- -	separator for date
<code>\timeseparator</code>	. .	separator for time
<code>\pdfslash</code>		slash in pdf font
<code>\pdfcolon</code>		colon in pdf font
<code>\factorclockfont{factor}</code>		format date