

# The GUIDO Music Notation Format

## Additional and new specifications

Supported by the **GUIDO Engine** version 1.5.4

Grame - September 2014

1. Tremolo
2. Meter
3. Bar
4. Staff format

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### 1. Tremolo

`\trem<style, speed, pitch, dx, dy, thickness, text>`

Creates a tremolo for one or several note(s).

- **Parameters** (in the order of their default positions):
  - **style** (optional) - number of strokes
    - value type: **string**
    - standard values:
      - `"/"`
      - `"//"`
      - `"///"`
      - `"////"`
    - default value: `"///"`
  - **speed** (optional) - duration of the repeated notes : 1/speed - for the MIDI export
    - value type: **int**
    - default value: **32**
  - **pitch** (optional) - other note, or chord, with which the tremolo is done
    - value type: **string**
    - standard values:
      - `"a"`, `"b"`, `"c"`
      - `"{d,e}"`, `"{f,g}"`
      - ...
    - default value: none
  - **dx** (optional) - graphic horizontal offset
    - value type: **float**
    - default value: **0**
  - **dy** (optional) - graphic vertical offset
    - value type: **float**
    - default value: **0**
  - **thickness** (optional) - thickness of the tremolo strokes
    - value type: **float**
    - default value: **0.75**
  - **text** (optional) - text about the tremolo
    - value type: **string**
    - standard values:
      - `"unmeasured"` or `"trem"`
      - `"measured"` or `"non trem"`
      - numbers
      - ...
    - default value: none
- **Range:** obligatory
- **Semantics:**
  - The fast repetition of notes, that can either be measured exactly in a given tempo (*measured tremolo*) or played as fast as possible (*unmeasured tremolo*)
- **Examples:**
  - `[ \meter<"2/4"> \trem( a/4 ) \trem<dur=8, thickness=0.5>( e/4 ) \trem<dur=16>( g/1 ) ]`
  - `[ \meter<"3/4"> \trem<pitch="g">( e/8 ) \trem<dur=64, pitch="e">( a/2 ) \trem<pitch="{e,f}">( {c/8, d} ) ]`

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## 2. Meter

`\meter<type, autoBarlines, autoMeasuresNum, size>`

Cf. html doc v1.5.2. New parameter *autoMeasuresNum*.

- **New parameter :**

- **autoMeasuresNum** (*optional*) - sets display of auto measures number on or off
  - *value type:* **string**
  - *standard values:*
    - "on"
    - "off"
  - *default value:* "off"

- **Examples:**

- [ \meter<"2/4", autoMeasuresNum="on"> a a c2 a1 e2 e d c ]



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## 3. Bar

`\bar<displayMeasNum, numDx, numDy>`

Inserts a measure bar.

- **Parameters** (in the order of their default positions):

- **displayMeasNum** (*optional*) - display (on concerned bar) measure number or not
  - *value type:* **string**
  - *standard values:*
    - "true"
    - "false"
  - *default value:* **meter "autoMeasuresNum" value** if meter is set, "false" otherwise (see examples)
- **numDx, numDy** (*optional*) - graphic offset of the measure number displayed
  - *value type:* **unit**
  - *default value:* **0**

- **Range:** none

- **Semantics:**

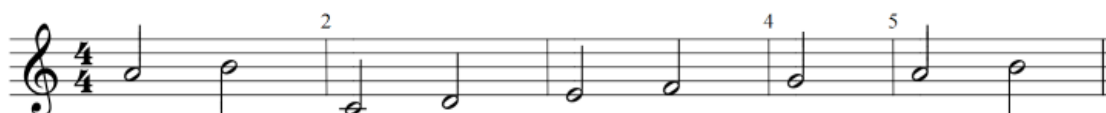
- Measures bar divide staff in several measures.

- **Examples:**

- [ a/2 b \bar c d \bar<displayMeasNum="true"> e f ]



- [ \meter<"4/4", autoMeasuresNum="on"> a/2 b c d \bar<displayMeasNum="false"> e f g \bar a b ]



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## 4. Staff format

`\staffFormat<style, size, lineThickness, dy>`

Cf. html doc v1.5.2. New parameter *dy*.

- **New parameter :**

- **dy** (*optional*) - inserts a staff vertical offset

- *value type* **unit**
- *default value:* **0**

• **Range:** *none*

• **Examples:**

- { [ a b c ], [ \staffFormat<dy=-15> a b c ] }

