

Humdrum

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Overview

- What is Humdrum?
 - Set of general-purpose software tools
 - 1) Humdrum syntax 2) Humdrum toolkit
- What can it do?
 - Encode information
 - Search

Kern syntax

- Used to represent basic information in Western Music
- It is simply ascii text

Selected features

- Harmonic interval identification
 - *Explicit, passing, stacked harmonic intervals*



```
**kern **kern **hint **hint
*M4/4 *M4/4 *M4/4 *M4/4
=1- =1- =1- =1-
8c 2cc P8 P8
8d . - m7
4e . = m6
&f2.e 2g 2&rM3.m3.P4 M3.m3.P4 P5
```

Selected features

• Pitch transposition	<u>**kern</u>	**pitch	**Tonh	**solfg
• Pitch representation	<u>*M2/4</u>	*M2/4	*M2/4	*M2/4
• ISO	<u>*C:</u>	*C:	*C:	*C:
• <i>Tonhöhe</i>	<u>8.cc</u>	C5	C5	do5
• French Solfège	<u>16dd</u>	D5	D5	re5
• Midi processing	<u>=1</u>	=1	=1	=1
	<u>8.ee</u>	E5	E5	mi5
	<u>16dd#</u>	D#5	Dis5	re~d5
	<u>4ee</u>	E5	E5	mi5