



Canaan Hymns Project

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Canaan Hymns

- Lu Xiaoming was born a farm girl in central China.
- She didn't finish junior high because her family was poor and her sickness
- She kept a dictionary and read it thoroughly
- After she became a Christian, she started composing hymns and published them as Canaan Hymns
- The hymns are very popular in Chinese home churches



Digitizing Canaan Hymns

- Canaan Hymns are great blessings to Chinese Christian and Church
- Currently there are 1250 hymns
- They are not easily communicated
- Digitizing them will help their distribution and popularization



Digitizing Canaan Hymns

- For music accompanying
- For Web hosting
- For printing
- For Karaoke



Current Digitization Formats

- Scanning current music sheets
- Recording piano accompany in MP3
- Recording singing in MP3



Preferred Digitization Formats

- Hymn notes in human and machine readable forms
- Converting hymn notes to MIDI files
- Converting hymn notes to printed pages
- Converting hymn notes to web pages or pdf pages



SimpMusic Notation

- A special FONT to represent notes in simplified or numeric music sheets
- All notes are represented by ASCII code
- When SimpMusic Font is activated, these code show up as simplified music notes, ready for printing and projection



SimpMusic Notation

- SimpMusic notation can be converted directly to FORTH code and MIDI
- We only have to enter SimpMusic notation once, and we will have music in both printable form and also in playable form



ASCII Code of Numeric Notes

- **191** 奉献 **C调 4/4**
- 3 e t 5 3 | t y 5 -- | 6 y Q ! 6 | y t 5 -- |
- 沧桑 有几 多 风雨 有几 多,
- e t 5 5 3 | 5 t y 5 - | 3 e e 2 1 | 2 --- |
- 南 来北往 你 们 总是这样执 着,
- 3 e t 5 3 | e t 5 -- | 6 y y !! | 6 --- |
- 只要 神喜 悦 就是霜染黑 发,
- 5 3 6 y Q | 6 t y 5 9 e | 3 1 2 w d s | 1 --- |
- 脸上布满了 皱 纹也 甜在心 窝 ,



SimpMusic Code

- **191** **奉献** **C调 4/4**
- 3 ε τ 5 3 | τ ψ 5 — | 6 ψ ⊕ ! 6 | ψ τ 5 — |
- 沧桑 有几 多 风雨 有几 多,
- ε τ 5 5 3 | 5 τ ψ 5 — | 3 ε ε 2 1 | 2 ——— |
- 南 来北往 你 们 总是这样执 着,
- 3 ε τ 5 3 | ε τ 5 — | 6 ψ ψ !! | 6 ——— |
- 只要 神喜 悦 就是霜染黑 发,
- 5 3 6 ψ ⊕ | 6 τ ψ 5 9 ε | 3 1 2 ω δ σ | 1 ——— |
- 脸上布满了 皱 纹 也 甜在心 窝 ,



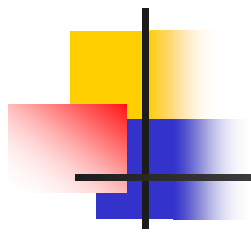
FORTH Code

```
: D1  3 3 ^ 5 ^ 5 3 | 5 ^ 6 ^ 5 -- | 6 6 ^ \1 ^ \1 6 | 6 ^ 5 ^ 5 -- ;
: D2  3 ^ 5 ^ 5 5 3 | 5 5 ^ 6 ^ 5 - | 3 3 ^ 3 ^ 2 1 | 2 --- ;
: D3  3 3 ^ 5 ^ 5 3 | 3 ^ 5 --. | 6 6 ^ 6 ^ \1 \1 | 6 --- | ;
: D4  5 3 6 6 ^ \1 ^ | 6 5 ^ 6 ^ 5 . 3 ^ | 3 1 2 ^ 3 ^ 2 ^ 1 ^ | 1
    --- ;
: D5  \1 \1 \1 \2 | \2 ^ \3 ^ \1 -- | \2 \2 \2 ^ \1 ^ 6 ^ 5 ^ | 5 --- ;
: D6  3 ^ 5 . 3 - | 6 . 6 ^ 5 - | 3 2 ^ 3 ^ 2 1 | 2 --- | ;
: D7  3 3 ^ 5 ^ 5 3 | 5 --- | 6 6 ^ \1 ^ \1 \1 | 6 --- ;
: D8  5 3 6 6 ^ \1 ^ | \1 7 ^ \1 ^ 6 - | \1 \1 ^ \1 ^ \1 \3 ^ \2 ^ |
    \2 --- | ;
: D9  5 \3 \2 \3 ^ \2 ^ | \1 --- | 6 \1 \2 \3 ^ 6 ^ | 5 --- | ;
: D10 5 3 6 6 ^ \1 ^ | 6 5 ^ 6 ^ 3 - | \2 \2 ^ \2 ^ 5 6 | \1 --- || ;
: song D1 D2 D3 D4 D5 D6 D7 D8 D9 D10 hush ;
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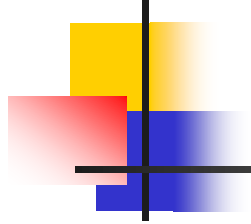


Code Conversions

- FORTH code to MIDI
- FORTH code to SimpMusic code
- SimpMusic code to FORTH code
- SimpMusic music sheets to PDF for web publication
- Database for music searching



Questions?



Thank You!