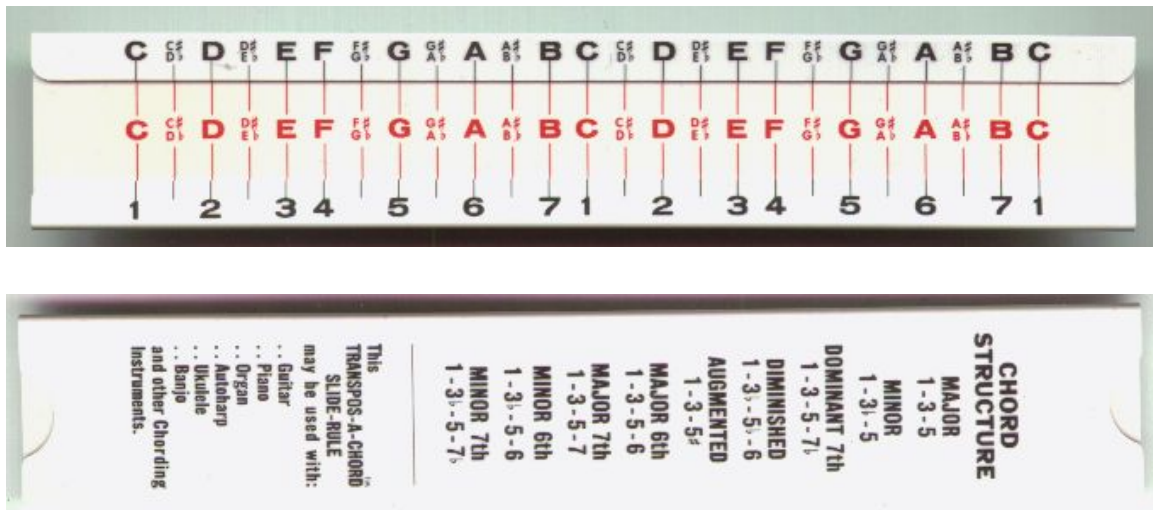


# Slide Rule for transposing and building chords

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Oct 2004

I was reading up on slide rules and came across this interesting picture of a slide rule on Chris Gilling's web site (do a google search "chris gilling slide rule") called "Transpos-a-chord".



Transpos-A-Chord (picture from Chris' site)

Staring at it for hours and manipulating it in my minds eye, I finally figured how to work it. It is a very ingenious tool for transposing chords. The chord structure chart at the back, when used with the front, also showed how chords are built up.

As I could not find this unique slide rule anywhere, I decided to make one. I have also added in more chord structures from my readings, from friends in the newsgroup alt.guitar.beginner and friends in the music ministry of Bukit Panjang Methodist Church.

If there are any errors or feedback, please send to ~~leewm AT stanub.net.sg~~  
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Enjoy!

## White Scale

C	<b>CHORD STRUCTURE</b> <b>Major</b> (C) 1-3-5 <b>Minor</b> (Cm) 1-3b-5 <b>Dominant 7<sup>th</sup></b> (C7) 1-3-5-7b <b>Diminished</b> (Cdim, C <sup>o</sup> ) 1-3b-5b-6 <b>Augmented</b> (Caug, C+) 1-3-5# <b>Major 6<sup>th</sup></b> (CMaj6, CM6) 1-3-5-6 <b>Minor 6<sup>th</sup></b> (Cm6) 1-3b-5-6 <b>Major 7<sup>th</sup></b> (CMaj7, CM7) 1-3-5-7 <b>Minor 7<sup>th</sup></b> (Cm7) 1-3b-5-7b <b>Major 9<sup>th</sup></b> (CMaj9, add 9 <sup>th</sup> to 7 <sup>th</sup> ) 1-3-5-7-9 <b>Minor 9<sup>th</sup></b> (Cm9, add 9 <sup>th</sup> to 7 <sup>th</sup> ) 1-3b-5-7b-9 <b>Suspended</b> (Csus, Csus4) 1-4-5 (rep 3 <sup>rd</sup> with 4 <sup>th</sup> ) <b>Suspended 7<sup>th</sup></b> (C7sus) 1-4-5-7b(rep 3 <sup>rd</sup> with 4 <sup>th</sup> ) <b>add2</b> (Cadd2) 1-2-3-5 (insert 2)	1
C# Db		2
D		3
D# Eb		4
E		5
F		6
F# Gb		7
G		1
G# Ab		2
A		3
A# Bb		4
B		5
C		6
C# Db		7
D		1
D# Eb		2
E		3
F	4	
F# Gb	5	
G	6	
G# Ab	7	
A	1	
A# Bb	2	
B	3	
C	4	

## Grey Scale

C
B
A# Bb
A
G# Ab
G
F# Gb
F
E
D# Eb
D
C# Db
C
B
A# Bb
A
G# Ab
G
F# Gb
F
E
D# Eb
D
C# Db
C

## TRANSPOSING CHORDS

- Locate the original key note on Grey Scale.
- Slide the Grey Scale until the original key note coincides with the transposed key note on the White Scale.
- For all other notes, locate them on the Grey Scale and read off the transposed key note on the White Slide.
- Eg: Transpose D to E
  - D is transposed to E
  - E is transposed to F#
  - G is transposed to A
  - A is transposed to B
  - B is transposed to C#

E	F	F# GB	G	G# Ab	A	A# Bb	B	C	C# Db	D	D# Eb	E
D	D# Eb	E	F	F# GB	G	G# Ab	A	A# Bb	B	C	C# Db	D
3	4		5		6		7	1		2		3

## BUILDING CHORDS

- Locate chord root note on Grey Scale.
- Slide Grey Scale until the chord root note aligns with the number 1 on the White Scale.
- Find the chord structure on the rear of the White Scale.
- Locate numbers on the White Scale and look up the corresponding note on the Grey Scale.
- Eg: Edim
  - 1-3b-5b-6
  - E G Bb Db

C	C# Db	D	D# Eb	E	F	F# GB	G	G# Ab	A	A# Bb	B	C
E	F	F# GB	G	G# Ab	A	A# Bb	B	C	C# Db	D	D# Eb	E
1		2		3	4		5		6		7	1

↑ ↑ ↑ ↑

Fold backwards, throughout length

Cut out White and Grey scales and assemble as shown here.

