The Kronecker Delta Function Song

**Walter F. Smith, Spring 2002**

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G C D G

# Leopold Kronecker said that God had

G C D G

# Made the integers but nothing in between.

G C D G

## The study of transcen-dental numbers was mad!

G C D G

**And the irrationals, he thought they were obscene!**

Em C D G

## Although he was eccentric, old Leo was hero!

Em C D G

## He studied elliptic functions, so they say.

Em C D G

**But he did something else, and it equals one or zero--**

Em C D G

## It’s the reason physicists remember him today!

G C D G

# Kronecker delta functions are such fun --

G C D G

# A little delta and a tiny m- n !

G C D G

## If the subscripts are equal, the value is just one,

G C D G

**But zero if they’re different, let’s sing the song again! (2X)**

**that’s enough, this is the end! (last time)**

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