

The Gauss's Law Song
Walter Smith & Marian McKenzie 2-2-01
(To the tune of "East Side, West Side")

C C G7 C F C
Inside, outside, count the lines to tell –

F C F D7 G7
If the charge is inside, there will be net flux as well.

C G7 C F C
If the charge is outside, be careful and you'll see

F C F D7 G7 C
The goings in and goings out are equal perfectly.

C C G7 C F C
If you wish to know the field precise,

F C
And the charge is symmetric,

F D7 G7
you will find this law is nice –

C G7 C F C
Q upon a constant – eps'lon naught they say –

F C F D7 G7 C
Equals closed surface integral of E dot n dA