

## Scale of the Universe in Fruit in Song by Jonny Berliner

**F** **Eb**  
This is a fruity little song about the size of things,

**Bb** **C**  
Like atoms with their very tiny girth,  
And if an atom was the size of an apple,  
Then an apple'd be about the size of Earth.

**Dm** **C#**  
Almost all an atom's mass is in its nucleus,  
**Bb** **G**  
And to an atom that is really very small,

**F** **F7** **D**  
If a nucleus was a single juicy grape,  
**G** **C** **F** **Eb** **Bb** **C**  
The atom would fill the Royal Albert Hall.

The stuff in space is remarkably voluminous,  
The stuff in space is remarkably rotund,  
If the Earth was just as teeny as a watermelon seed,  
A watermelon would be as spacious as the sun.  
The solar system spinning in its gravity,  
Is about 10,000 times as wide again.  
So if the Sun had the magnitude of a mango then,  
The solar system would be 'bout the size of Staines

Yet that's nothing when comparing with our galaxy,  
The spiral structure that we call the Milky Way,  
If the solar system was a little strawberry,  
The galaxy would be much bigger than the USA.

**Dm** **Am**  
Gravity keeps galaxies in clusters,  
**Bb** **Gm** **G**

And the Virgo Super Cluster's where we are,  
**F** **F7** **D**  
If the milky way had the proportions of a plum,  
**G** **C**

The cluster would be 4 double deckers in diameter.

But the biggest thing we know of is the universe,  
At least the bits where light's had time to reach our eyes,  
And even though a super cluster's hugeness is absurd,  
There's 700,000,000 times more space that we can spy,  
So the Earth is somewhat like a cumquat, in a fruitbowl,  
60,000 solar systems side to side

**F** **F7** **Dm** **Bbm/C#**

But the universe could be far bigger still you see,

**F** **Gm** **Bb** **C**  
Unlike an apple, or a grape or a mango or a melon or a strawberry or a cumquat or a plum,  
**F** **Eb** **Bb** **C**

It could be infinitely wide