

Entropy by Andy "Dijon" French

To the tune of *Yesterday* by
The Beatles

Chords: EADGBe

relative to Capo 1st fret

(So F is F# etc)

Dm/C: x3x231

(Slow, single strum first verse)

F Em7 A7
Entropy
Dm Dm/C Bb
Quantifies our destiny
C7 Bb F
A disordered eternity
C Dm G7 Bb F
A change of total, entropy

(Build up ...)

F Em7 A7
Entropy (dQ over T)
Dm Dm/C Bb
Calculate thermo-dynamically
C7 Bb F
You can find it, statistically
C Dm G7 Bb F
That's Boltzmann or Gibbs, entropy

Em7 A7 Dm Dm/C Bb
Why does, it have to increase?
Gm C F
Cos' it's the law, Clausius would say
Em7 A7 Dm Dm/C Bb
After energy conserved, it's the second, not the third
Gm C F
is the law of entropy

F Em7 A7
Entropy (minus $k p \log p$)
Dm Dm/C Bb
Pretty useful, in Chemistry
C7 Bb F
Will concentrations grow or cease to be
C Dm G7 Bb F
In all the world's laboratories

Em7 A7 Dm Dm/C Bb
How come, a fridge can work?
Gm C F
Delta S, is less than nought
Em7 A7 Dm Dm/C Bb
Work must be done, to offset that sum
Gm C F
As Carnot would have taught

F Em7 A7
Entropy (an-ever bigger quantity)
Dm Dm/C Bb
Is a cosmic mystery
C7
Can it break it with
Bb F
Quantum uncertainty
C Dm G7 Bb F
Works creative--ly, does entropy

(Slow it down ...)

Dm G7 Bb F F
mm mm mm mm mm mm mmmmmmmmm