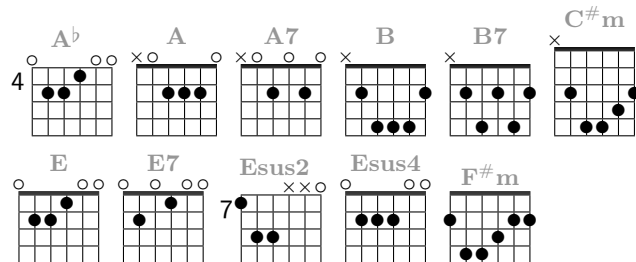


Jonathan Coulton - Mandelbrot Set



Intro: Esus2 E Esus4 E Esus2 E

E A F#m
 Pathological monsters! cried the terrified mathematician
 A B7 E
 Every one of them is a splinter in my eye
 E
 I hate the Peano Space and the Koch Curve
 A F#m
 I fear the Cantor Ternary Set
 A B7 E
 The Sierpinski Gasket makes me want to cry
 A7 E7 A7 E7
 And a million miles away a butterfly flapped its wings
 A7 E7 F#m
 On a cold November day.. a man named Benoit
 B7 E
 Mandelbrot was born

E A
 His disdain for pure mathematics and his unique
 F#m
 geometrical insights
 A B7 E
 Left him well equipped to face those demons down
 E A
 He saw that infinite complexity could be described by
 F#m
 simple rules
 A B E
 He used his giant brain to turn the game around
 A7 E7
 And he looked below the storm and saw a vision in his
 head
 A7 E7
 A bulbous pointy form
 F#m B
 He picked his pencil up and he wrote his secret
 B7 E B7
 down

E B7 E B7
 Take a point called C in the complex plane
 E B7 E B7
 Let Z1 be Z squared plus C
 E B7 E B7
 And Z2 is Z1 squared plus C
 E B7 E
 And Z3 is Z2 squared plus C and so on
 A B7
 If the series of Z's should always stay
 A♭ C#m B
 Close to C and never trend away
 A B7 E
 That point is in the Mandelbrot Set

B7
 Mandelbrot Set you're a Rorschach Test on fire
 E
 You're a day-glo pterodactyl
 B7
 You're a heart-shaped box of springs and wire
 E E7
 You're one BADASS FUCKING FRACTAL
 F#11 A7
 And you're just in time to save the day
 F#11 A7
 Sweeping all our fears away
 F#11 A7 E
 You can change the world in a tiny way

E A
 Mandelbrot's in heaven, at least he will be when he's
 F#m
 dead
 A B7 E
 Right now he's still alive and teaching math at Yale
 E A
 He gave us order out of chaos, he gave us hope where
 F#m
 there was none
 A B7 E
 And his geometry succeeds where others fail
 A7 E7 A7 E7
 If you ever lose your way, a butterfly will flap its wings
 A7 E7 F#m B7
 From a million miles away, a little miracle will come to
 E B7
 take you home

[Chorus]

F#11 A7
 And you're just in time to save the day
 F#11 A7
 Sweeping all our fears away
 F#11 A7
 You can change the world in a tiny way
 F#11 A7
 Go on change the world in a tiny way
 F#11 A7
 Come on change the world in a tiny way