

INTRODUCTION TO CALCULUS

MATH 1A

UNIT 34: WORKSHEET

Lets try to play some music.

Calculus in Music

Problem 1: How do you think the function

$$f(x) = \sin(10000\sqrt{x})$$

sounds?

Problem 2: What about

$$f(x) = \sin(10000x^2)?$$

Problem 3: And finally

$$\sin(x) \sin(1000x)?$$