

INTRODUCTION TO CALCULUS

MATH 1A

UNIT 33: WORKSHEET

Calculus in Music

1: How do you think the function

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

sounds?

2: What about

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

3: And finally

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