

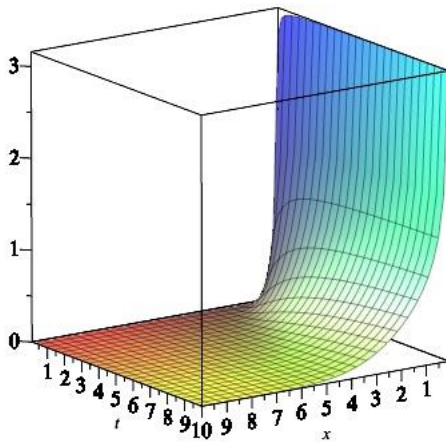
MATH 223 Spring 2025  
Assignment 7  
**Due: Wednesday, February 26**

**Reading**

Read carefully Sections 3.5 “Applications” in our text *Multivariable Calculus: A Linear Algebra Based Approach*.

**Writing**

Write out careful and complete solutions of Exercises 24 abc, 25 abc, 26 ac, 27, 29 in Chapter 3. (If you still have earlier version, these are Exercises 17 abc, 18abc, 19ac, 20, 22).



Exercise 22: Plot of  $u(x, t) = \frac{e^{\frac{x^2}{t}}}{\sqrt{t}}, \frac{1}{10} < x < 10, \frac{1}{10} < t < 10$