

# STANDARD MODEL HOMEWORK 2

J L GOUWS

February 11, 2024

This homework is a bit rough, but I am submitting it anyway for feedback.

1. (a)
- (b) Below are figures of the solution at different times:

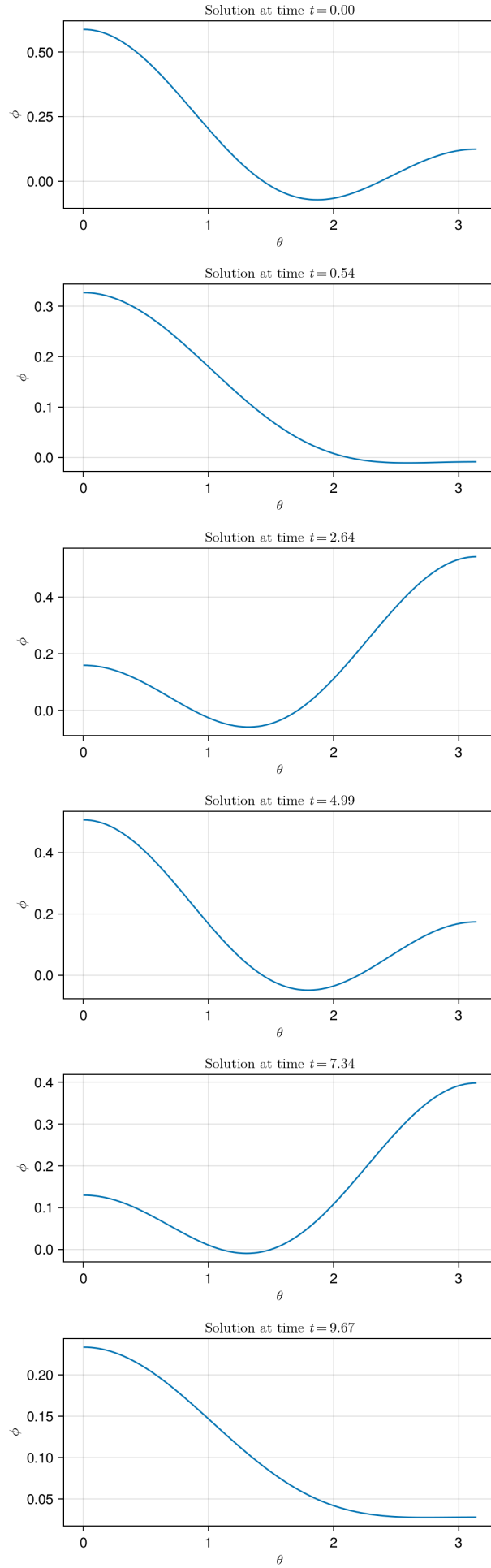


Figure 1:  $l_{\max} = 2$

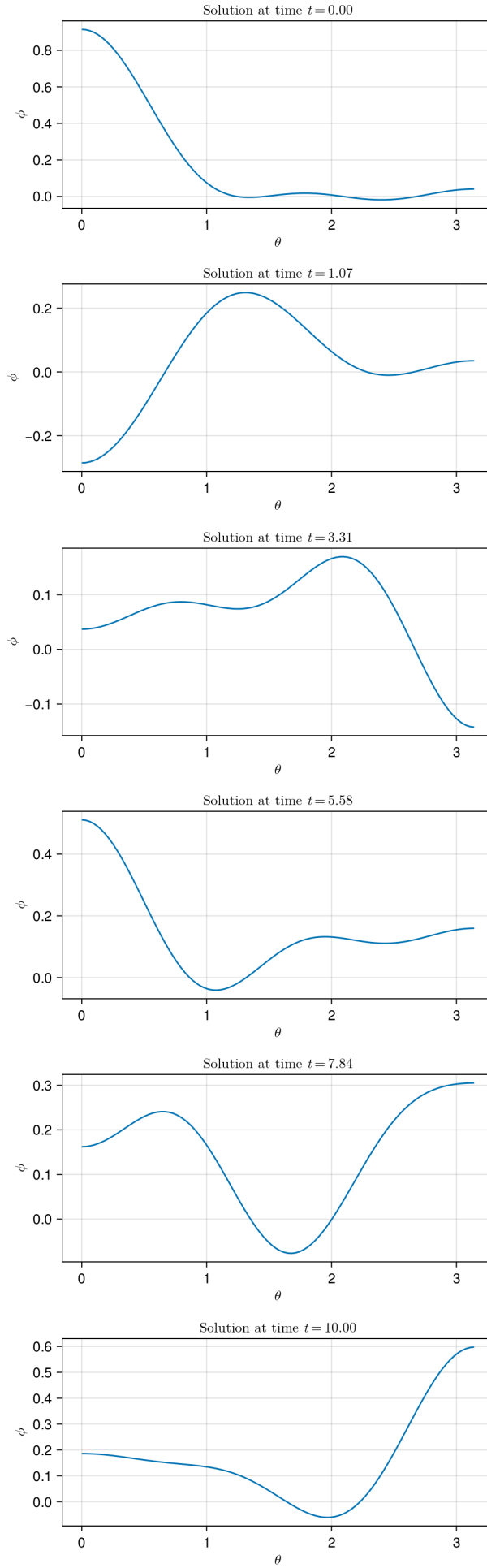


Figure 2:  $l_{\max} = 4$

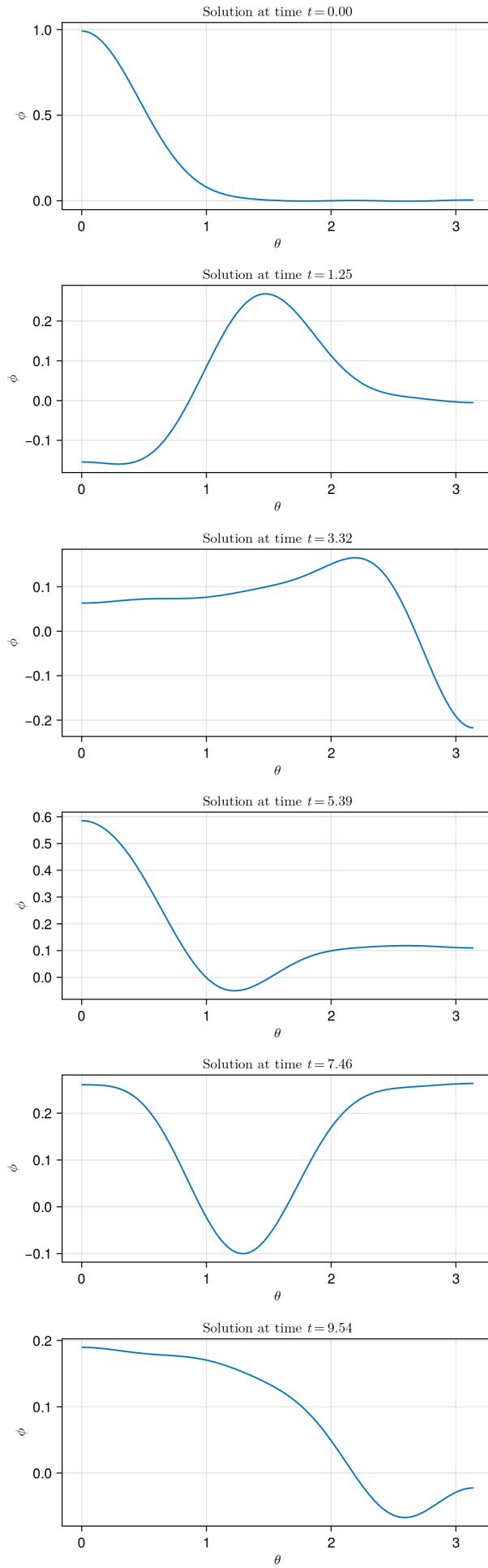


Figure 3:  $l_{\max} = 6$

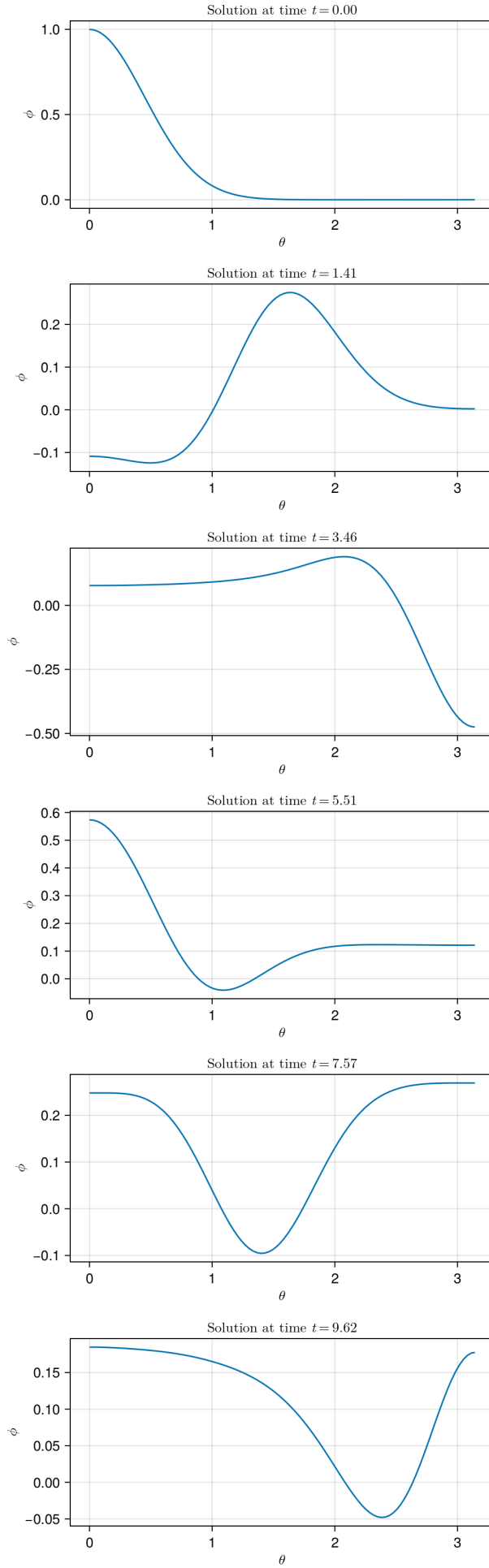


Figure 4:  $l_{\max} = 8$

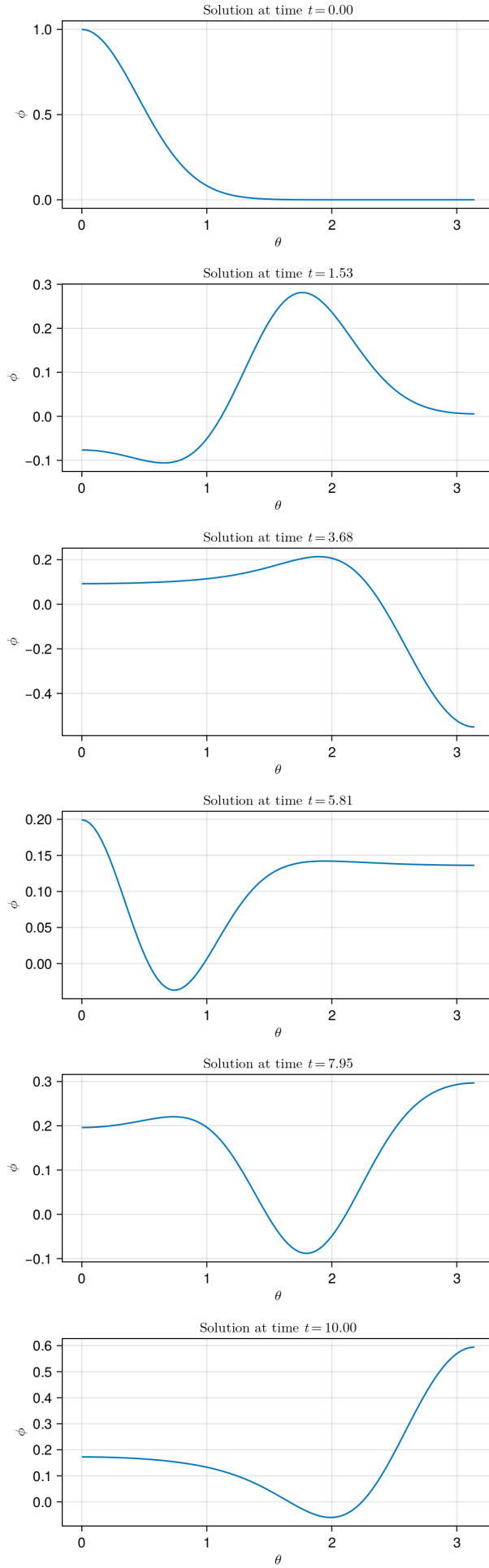


Figure 5:  $l_{\max} = 10$