# Physics 4410
# Quantum Mechanics 2

# Lecture 35

## The Bohr-Sommerfeld approximation

November 23, 2020

1. Review the WKB approximation.

**2.** Describe what happens near the turning points.

**3.** Describe the Airy functions.

4. Match the wave functions across the turning point to determine the approximate wave function.

**5.** Derive the Bohr-Sommerfeld quantization condition.

**6.** Give a geometric interpretation for the Bohr-Sommerfeld quantization condition.