

Additional Problems

1. Using the example problem data, calculate the site-specific concentration of pollutant for y equals 4.9m and z equals 8.3m. Express your answer in $\mu\text{g}/\text{m}^3$.
2. Perform a sensitivity test and see how varying the x (and simultaneously the y) distance changes the site-specific concentration given in problem 1.
3. Perform a sensitivity test and see how incrementally increasing the wind speed changes the site-specific concentration given in problem 1.
4. Perform a sensitivity test and see how changing the cloud cover changes the site-specific concentration given in problem 1.