

# Assignment 05

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## 1. Modeling of carbon cycle

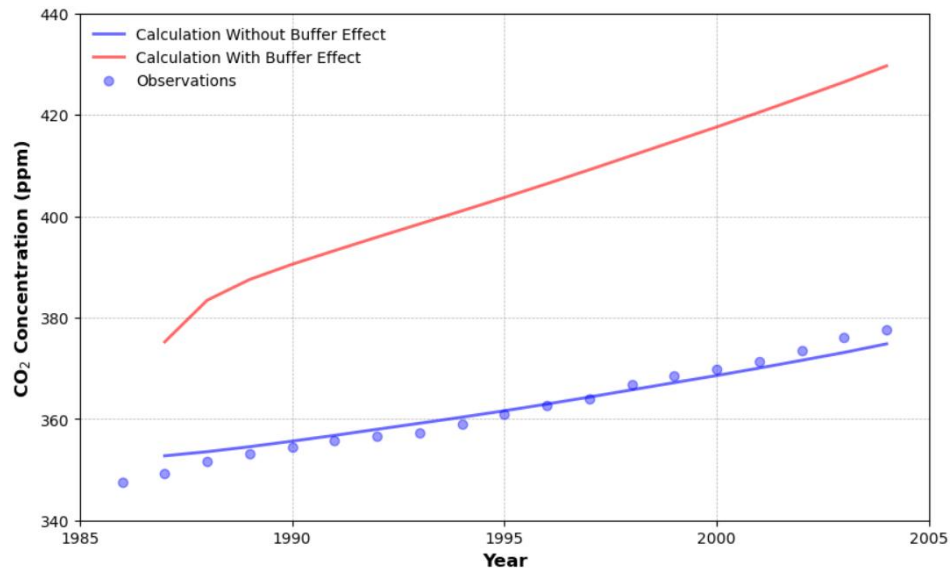


Figure 1 The CO<sub>2</sub> trend predicted by the two-box model with the buffer effect(red line). The observed values and the result without the buffer effect are shown by dots and a blue line, respectively.

## Bonus

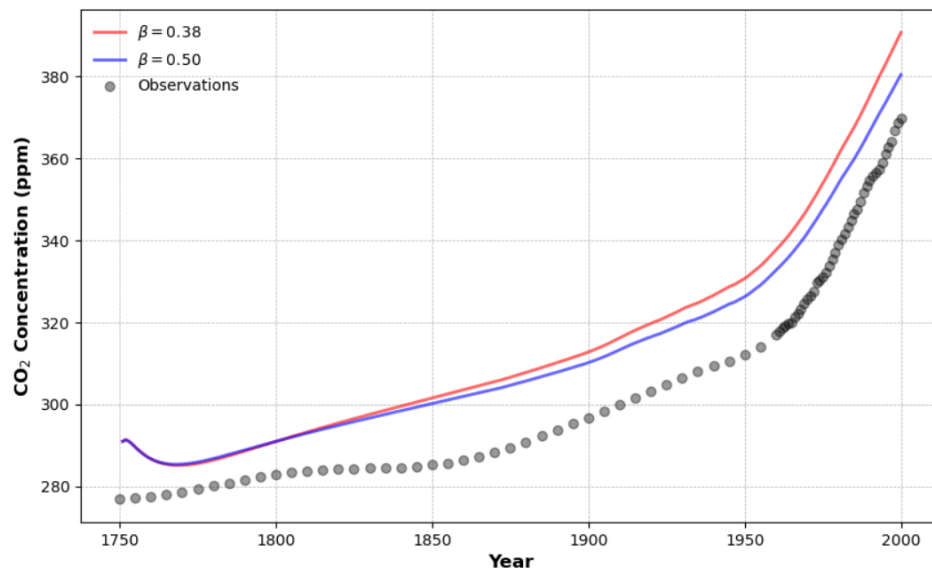


Figure 2 The CO<sub>2</sub> trend calculated for 250 years by the seven-box model with beta= 0.38 and 0.50.

数据推算的结果和论文中存在差异，可能因为某个数据集理解上存在偏差，使用可能不太恰当。