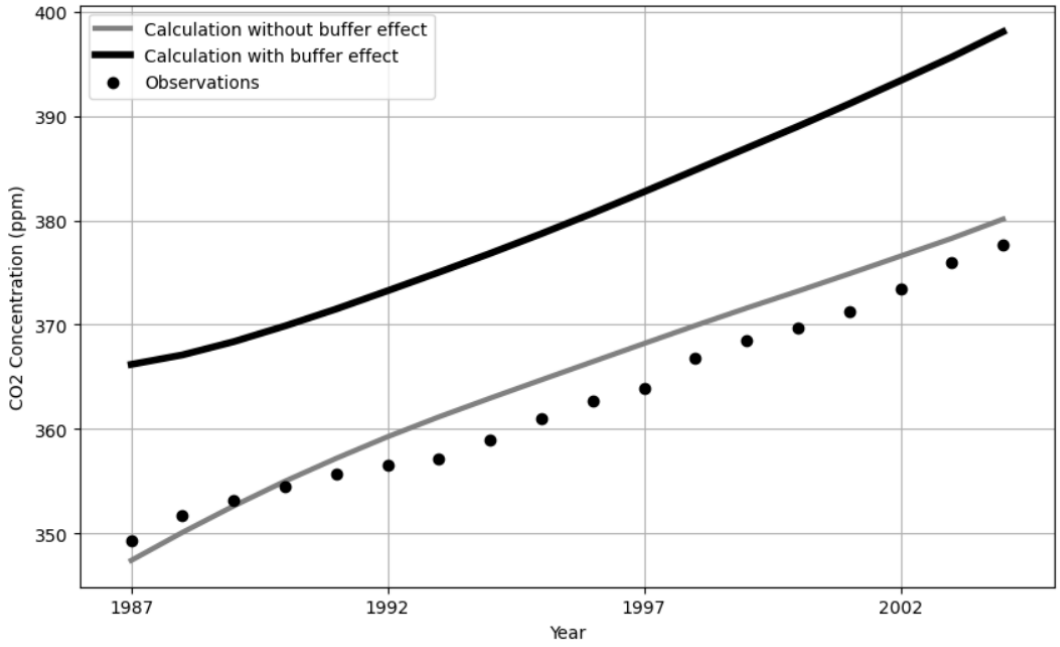
先把文件转换一下格式

```
]: #先把文件转换一下格式

# Read the file content
file_path = 'global.1751_2014.ems'

with open(file_path, 'r') as file:
    file_content = file.readlines()

# Extracting relevant data lines (from line 40 onwards) and parsing it into a DataFrame
data_lines = file_content[40:]

# Splitting each line by whitespace to create columns and removing any empty lines
data_rows = [line.split() for line in data_lines if line.strip()]

# Define the column names based on the data preview
columns = ['Year', 'Total', 'Gas', 'Liquids', 'Solids', 'Cement Production', 'Gas Flaring', 'Per Capita']

# Create a DataFrame from the rows and columns
df = pd.DataFrame(data_rows, columns=columns)

# Convert the DataFrame to CSV format
csv_file_path = 'global.1751_2014.csv'
df.to_csv(csv_file_path, index=False)

# Optional: Display the DataFrame to confirm it's correct
print(df.head())
```

根据文献建立模型，设置并调整参数
画图



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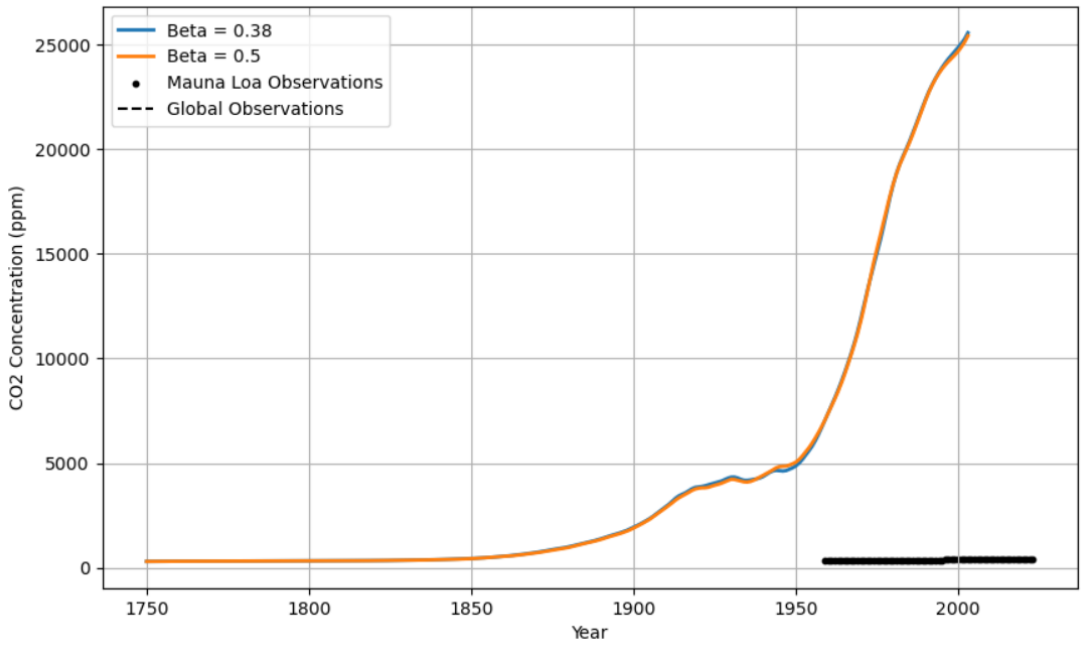
Beta = 0.38
Beta = 0.5
Mauna Loa Observations
Global Observations
CO2 Concentration (ppm)
25000
20000
15000
10000
5000
0
1750
1800
1850
1900
1950
2000
Year