In [9]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import scipy as sc
from scipy.stats import linregress
```

In [10]:

```
df = pd.read_csv("task7.csv", sep=";")
df.T
```

Out[10]:

	0	1	2	3	4	5	6	7	8	
lambda	440.000	460.000	480.000	500.000	520.000	540.000	560.000	580.000	600.0	620.0
A	0.317	0.297	0.278	0.265	0.249	0.235	0.223	0.211	0.2	0.1

In [13]:

```
plt.figure(figsize=(12, 6))
plt.style.use("ggplot")
plt.title("LgA(lgLambda)")
plt.xlabel("Lg A")
plt.ylabel("Lg Lambda")
plt.plot(np.log10(df["lambda"]), np.log10(df["A"]))
plt.scatter(np.log10(df["lambda"]), np.log10(df["A"]))
```

Out[13]:

```
<matplotlib.collections.PathCollection at 0x7fb63be6a8d0>
```