

# **Title**

## **Abstract**

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## 6 Example

This section includes some examples that are not commonly used

### *6.1 Enumerate*

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## 6.2 Table

### 6.2 Tables side by side

**Table 6.1 Difference of Mild Steel**

| Loading | Difference | Difference rate |
|---------|------------|-----------------|
| 50N     | 0.01906 mm | 16.5681%        |
| 100N    | 0.03803 mm | 16.5298%        |
| 150N    | 0.05709 mm | 16.5426%        |
| Average |            | 16.55%          |

**Table 6.2 Difference of Alminium**

| Loading | Difference | Difference rate |
|---------|------------|-----------------|
| 50N     | 0.03944 mm | 12.1856%        |
| 100N    | 0.07887 mm | 12.1839%        |
| 150N    | 0.11831 mm | 12.1845%        |
| Average |            | 12.18%          |

### 6.2 General table

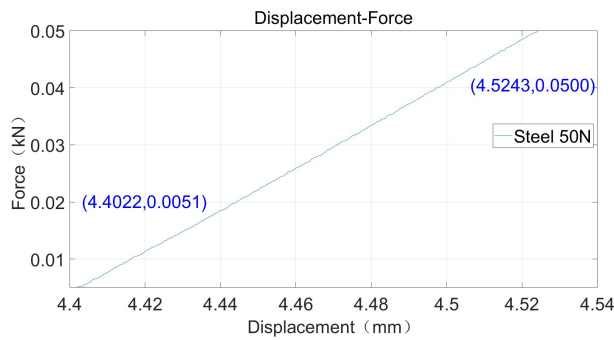
**Table 6.3 The value of  $C_L$**

| Value\Degree | 0     | 5      | 10     | 15     | 17.5   | 20     | 22.5   | 25     |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|
| $C_L$        | 0.034 | -0.378 | -0.658 | -0.892 | -0.954 | -0.747 | -0.717 | -0.702 |

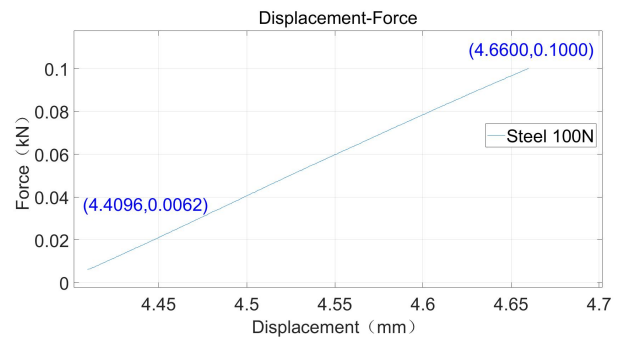
## 6.3 Picture

### 6.3 Pictures side by side

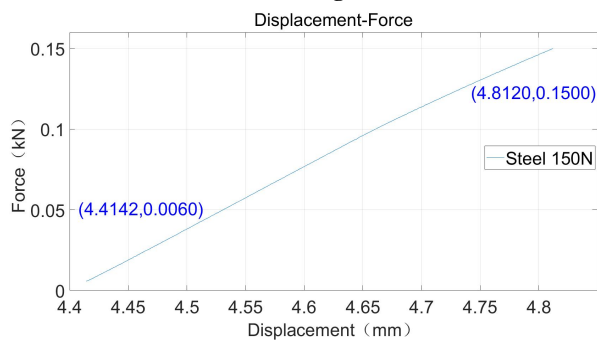
Images side-by-side, each with its own subheading but sharing large headings and tags



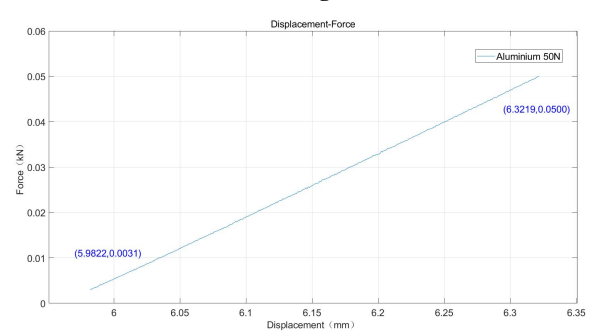
(a) 50N loading Mild Steel



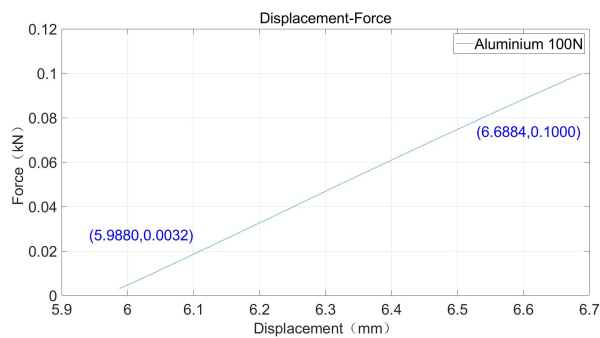
(b) 100N loading Mild Steel



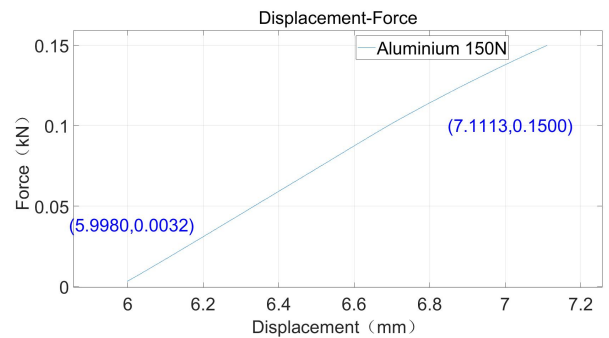
(c) 150N loading Mild Steel



(d) 50N loading Aluminium



(e) 100N loading Aluminium



(f) 150N loading Aluminium

Figure 6.1 Results of experiments with Steel and Aluminium

### 6.3 *picture name adjust*

Table 2.1 Result of the maximum bending displacements

| Bending Displacement        | Mild Steel | Aluminium |
|-----------------------------|------------|-----------|
| $\delta_{AN_1}$ (P = 50 N)  | 0.1341 mm  | 0.3631 mm |
| $\delta_{AN_2}$ (P = 100 N) | 0.2681 mm  | 0.7262 mm |
| $\delta_{AN_3}$ (P = 150 N) | 0.4022 mm  | 1.0893 mm |

## 6.4 Equation

Editing by Axmath or python pix2tex (cmd input latexocr if you have been install pix2tex in your system )

$$\left\{ \begin{array}{l} \delta_{An\_1} = \frac{P_{50N}L^3}{48E_sI} = \frac{50 \times 0.1^3}{48 \times 172.6698 \times 10^9 \times 4.5 \times 10^{-11}} = 0.1341 \times 10^{-3}m \\ \delta_{An\_2} = \frac{P_{100N}L^3}{48E_sI} = \frac{100 \times 0.1^3}{48 \times 172.6698 \times 10^9 \times 4.5 \times 10^{-11}} = 0.2681 \times 10^{-3}m \\ \delta_{An\_3} = \frac{P_{150N}L^3}{48E_sI} = \frac{150 \times 0.1^3}{48 \times 172.6698 \times 10^9 \times 4.5 \times 10^{-11}} = 0.4022 \times 10^{-3}m \end{array} \right. \quad (6.1)$$