LaTeX Demo Document

Your Name

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1 Topology Vector Space

TVS has a local base B_0 s.t.

$$\forall U, V \in B_0, \exists W \in B_0, W \subseteq U \cap V$$

$$\forall U \in B_0, \exists V \in B_0, V + V \cap B_0$$

$$\forall U \in B_0, \text{U is absobing and balanced.}$$

conversely, such a collection determines a TVS structure.

2 Math Mode

Here is an inline equation: $E = mc^2$.

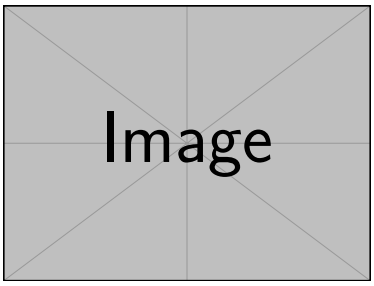
And here is a displayed equation:

$$\int_0^\infty e^{-x^2}\,dx = \frac{\sqrt{\pi}}{2}$$

3 Enumerations

1. First item
2. Second item
3. Third item

4 Including Graphics



5 Conclusion

This concludes the demo.