

# Title of note

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## 1 Title of section

Here is regular text. (David: A note.) Here is more regular text. (Here is a to-do note.)

**Theorem 1.1.** *This is a theorem.*

**Lemma 1.2.** *This is a lemma.*

All theorems and definitions are numbered together.

**Definition 1.3.** This is a definition.

*Remark 1.4.* This is a remark.

### 1.1 Title of subsection

Questions and equations are numbered separately from the above.

**Question 1.1.** This is a question.

The following is an equation.

$$2\sqrt{2}I - (A_0B_0 + A_0B_1 + A_1B_0 - A_1B_1) = \frac{1}{2\sqrt{2}} \left( A_0 + A_1 - \sqrt{2}B_0 \right)^2 + \frac{1}{2\sqrt{2}} \left( A_0 - A_1 - \sqrt{2}B_1 \right)^2. \quad (1.1)$$

to-do

## References

- [1] William Slofstra. Tsirelson's problem and an embedding theorem for groups arising from non-local games. *Journal of the American Mathematical Society*, 06 2016.