COT 3100

Applications of Discrete Structures

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Abstract

These notes are intended as a resource for myself; past, present, or future students of this course, and anyone interested in the material. The goal is to provide an end-to-end resource that covers all material discussed in the course displayed in an organized manner. If you spot any errors or would like to contribute, please contact me directly.

1 Euclidean n-space

- Example items
- More examples

$$e^{i\pi} + 1 = 0$$

$$1 + 1 = FuckBrett$$

$$\begin{aligned} 3 &= 1 + 2 \\ &= 1 + 1 + 1 \end{aligned}$$

Definition 1.1 (addition)**.** Two **addition** operation adds two numbers, for $a, b \in \mathbb{R}$, their sum is

$$a + b$$

The addition rule is very good.

```
1   (define sum (lambda args (foldr + 0 args)))
```

```
this is code
```