Notes on

Deep Learning

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Dedication

Figure 1: Om Namah Shivay

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Chapter 1

Equations

1.1 Quadratic equations

Definition 1.1. A quadratic equation is an equation of the form [2]

$$ax^2 + bx + c = 0 \tag{1.1}$$

where a, b and c are constants and $a \neq 0$.

Chapter 2

Equation Systems

2.1 Linear Systems

...

2.2 Non-linear Systems

...

Proofs

Bibliography

[1] Ian Goodfellow, Yoshua Bengio, and Aaron Courville. *Deep learning*. MIT press, 2016.

[2] Yann LeCun, Yoshua Bengio, and Geoffrey Hinton. "Deep learning". In: *nature* 521.7553 (2015), pp. 436–444.