

# Foundations - type theory

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## Contents

1	Deductive system	1
1.1	Contexts . . . . .	1

## 1 Deductive system

### 1.1 Contexts

**Definition 0.1.** We will note  $\cdot$  for the empty context

**Axiom 0.1.** empty derivation :  $\text{rule}_{emptyderivation} : \epsilon \vdash emptycontextctx$

**Axiom 0.2.** context extension :  $\text{rule}_{contextextension} : \epsilon \vdash emptycontextctx$