

# Category-Graded Monads

**Grades are morphisms in a category:**

$$\eta : A \rightarrow \square_{\text{id}_I} A$$

$$\mu : \square_f \square_g A \rightarrow \square_{f;g} A$$

# Category-Graded Monads

**Subsume both graded monads and parameterised monads.**

**D. Orchard, P. Wadler, H. Eades III. "Unifying graded and parameterised monads". Under review MSFP 2020.**

**Preprint: <https://arxiv.org/abs/2001.10274>**