

Definition – Left and Right Crystals

Let $X \in \mathrm{PStk}_{\mathrm{laft}}$. Then we define the ∞ -category of *left crystals on X* to be

$$\mathrm{Crys}^L(X) := \mathrm{QCoh} X_{\mathrm{dR}}$$

The ∞ -category of *right crystals on X* is defined to be

$$\mathrm{Crys}^R(X) := \mathrm{IndCoh} X_{\mathrm{dR}}$$