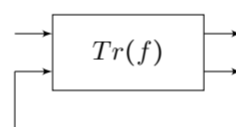


$$\frac{\vdots \quad \vdots}{\vdash \xi 21, \xi 22 \sigma \quad \vdash \xi 23, \sigma} \quad \vdash \xi 2, \{(1, 2), \{3\}\} \quad \vdash \xi 2 \vdash \sigma \quad \vdash \xi, \sigma \quad (+, \xi, 2)$$



$$\frac{\Psi; \Delta_1 \Downarrow P \quad \Psi; \Delta_2 \Downarrow Q}{\Psi; \Delta_1, \Delta_2 \Downarrow P \otimes Q}$$

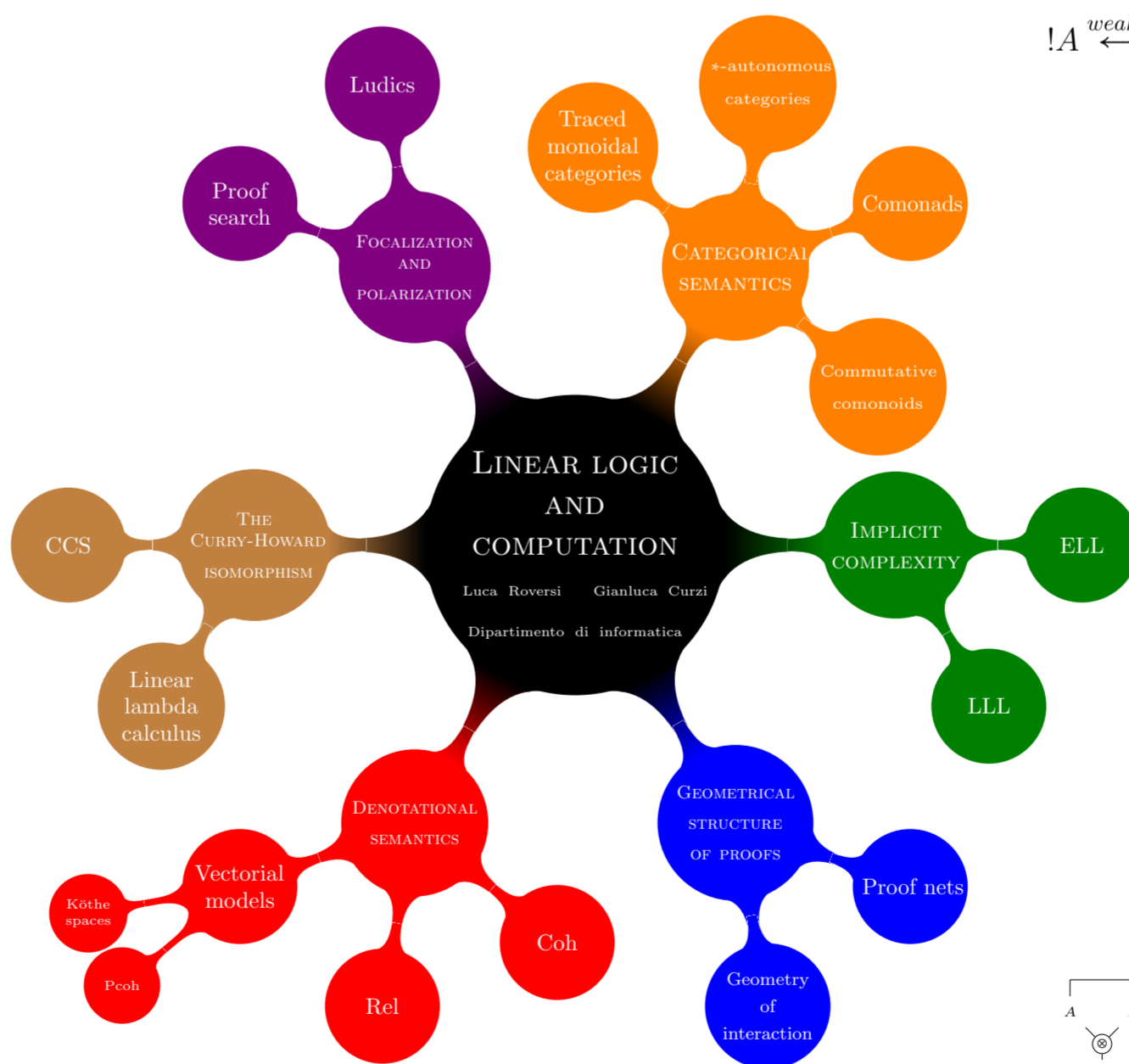
$$!A \xleftarrow{weak!A} !A \xrightarrow{contr!A} !A \otimes !A$$

$$x(v) \cdot P \parallel x(y) \cdot Q \rightarrow P \parallel Q[v/y]$$

$$A \rightarrow B \cong !A \multimap B$$

$$[[M]]_{tt} = \sum_{m \in \mathcal{M}_f(\{tt, ff\})} p_{m,tt} x^m$$

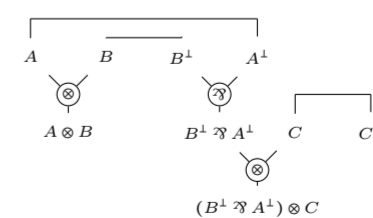
$$[[M]] = \begin{matrix} [] \\ [tt] \\ [ff] \\ [tt, ff] \\ \vdots \end{matrix} \begin{pmatrix} p & q \\ p' & q' \\ p'' & q'' \\ p''' & q''' \\ \vdots & \vdots \end{pmatrix}$$



$$!A = \bigoplus_{n=0}^{\infty} A^n$$

$$\not\vdash_{ELL} !A \multimap A$$

$$\not\vdash_{ELL} !A \multimap !!A$$



$$EX([[M]], \sigma) = \pi_{11} + \sum_{n=0}^{\infty} \pi_{12} (\sigma \pi_{22})^n (\sigma \pi_{21})$$