Please prepare exercise 7.4 for the exercise session on 2019-06-04.

Exercise 7.1. Find the paper “Unifying Tone System Definitions: Ordering Chromas” by T. Schlemmer. Read the introduction and find a “headline” for each paragraph. Then write a new introduction for the paper.

Exercise 7.2. Typeset your solution to exercise 7.1. Then rewrite and typeset the preliminaries of that paper.

Exercise 7.3. Typeset the following formulae:

\[ -A \sqcap \exists R^- A \sqcap (\leq 1 R) \sqcap \forall (R^-) \uparrow (\exists R^- A \sqcap (\leq 1 R)) \quad (3.1) \]

\[ \pi_x(\leq n R) = \exists \leq n y. R(x, y) = \exists y_1, \ldots, y_n, \bigwedge_{i \neq j} y_i \neq y_j \supset \bigvee_i -R(x, y_i) \quad (3.2) \]

Tree \equiv \mu X. (EmptyTree \sqcup (\text{Node} \sqcap \leq 1 \text{child} \sqcap \exists \text{child.} \top \sqcap \forall \text{child.} X)) \quad (3.3)

\[ (\mu X. C)^2_p = \bigcap \{E \subseteq \Delta^E \mid C^2_p[X/E] \subseteq E\} \quad (3.4) \]

s \rightarrow E t \text{ iff } \exists (l, r) \in E, p \in \text{Pos}(s), \sigma \in \text{Sub.} s|_p = \sigma(l) \text{ and } t = s[\sigma(r)]_p \quad (3.5) \]

\[ \mathbb{K}[C]_{\tau} := (G \cup \mathcal{C}_{\min}, M \cup \mathcal{C}_{\max}, I_{\mathcal{C}} \cap (G \cup \mathcal{C}_{\min}) \times (M \cup \mathcal{C}_{\max})) \quad (3.6) \]

\[ 0 = \int_{\{s_n(u) > \frac{1}{k} + E^{A_n} u\}} (s_n(u) - E^{A_n} u) \, d\mu \geq \frac{1}{k} \mu \left( \left\{ s_n(u) > \frac{1}{k} + E^{A_n} u \right\} \right) \quad (3.7) \]

Exercise 7.4. (Homework)

Use \texttt{bibtex} to typeset a bibliography of all published literature referenced on exercise sheets 0–7. Make all references as complete as possible, and strive for consistency among the references.