
§35. Supports of prescales

Given any prescale E we define

$$\begin{aligned} \text{supt}(E) = \{ (B, \tilde{B}, \hat{B}, \hat{C}) \in \text{supt}_4(\ell(E)) : \\ E(B, \tilde{B}, \hat{B}, \hat{C}, b, c) \neq 0 \text{ for some } (b, c) \in \text{supt}_2(\ell(E)) \} \end{aligned}$$

and

$$\begin{aligned} \text{supt}((E)) = \{ (B, \tilde{B}, \hat{B}, \hat{C}) \in \text{supt}_4(\ell(E)) : \\ E((B, \tilde{B}, \hat{B}, \hat{C}, b, c)) \neq 0 \text{ for some } (b, c) \in \text{supt}_2(\ell(E)) \} \end{aligned}$$

and

$$\text{for every } B \in [1, o(\ell(E))]$$

we define

$$\text{supt}(E, B) = \{ (\tilde{B}, \hat{B}, \hat{C}) \in \text{supt}_3(\ell(E)) : (B, \tilde{B}, \hat{B}, \hat{C}) \in \text{supt}(E) \}$$

and

$$\text{supt}((E, B)) = \{ (\tilde{B}, \hat{B}, \hat{C}) \in \text{supt}_3(\ell(E)) : (B, \tilde{B}, \hat{B}, \hat{C}) \in \text{supt}((E)) \}.$$