**Proposition 15.110.** Let $(\mathfrak{A}; \mathfrak{Z})$ be a co-separable filtrator with join-closed core. An $A \in \mathfrak{Z}$ is connected regarding a funcoid $\mu$ iff

$$\forall X, Y \in \mathfrak{Z} \setminus \{0^{\mathfrak{Z}}\} \colon (X \sqcup^{\mathfrak{Z}} Y = A \Rightarrow X \,[\mu]\, Y).$$

**Proof.**

$\Rightarrow$. Obvious.

$\Leftarrow$. Follows from co-separability. □

**Obvious 15.111.** For $\mathfrak{A}$ being a set of filters over a boolean lattice, an element $a \in \mathfrak{A}$ is connected regarding a pointfree funcoid $\mu$ iff it is connected regarding the funcoid $\mu \sqcap (a \times^{\mathsf{FCD}} a)$.