Generalized proximities

The most natural way to introduce funcoids is generalizing proximity spaces.

Let δ be a proximity on a set $\mho$. It can be extended from subsets of $\mho$ to filters on $\mho$ by the formula

$$\mathcal{X}\,\delta'\,\mathcal{Y} \Leftrightarrow \forall X \in \mathcal{X}, Y \in \mathcal{Y}\colon X\,\delta\,Y.$$

I've proved that there exist two functions $\alpha\colon \mathfrak{F}(\mho) \to \mathfrak{F}(\mho)$ and $\beta\colon \mathfrak{F}(\mho) \to \mathfrak{F}(\mho)$ such that

$$\mathcal{X}\,\delta'\,\mathcal{Y} \Leftrightarrow \mathcal{Y} \sqcap \alpha\,\mathcal{X} \neq 0^{\mathfrak{F}(\mho)} \Leftrightarrow \mathcal{X} \sqcap \beta\,\mathcal{Y} \neq 0^{\mathfrak{F}(\mho)}.$$