Conjecture 2. The filtrator of funcoids is:

1. with separable core;

2. with co-separable core.

Conjecture 3. Let $\mho$ be a set, $\mathfrak{F}$ be the set of f.o. on $\mho$, $\mathfrak{P}$ be the set of principal f.o. on $\mho$, let n be an index set. Consider the filtrator $(\mathfrak{F}^n; \mathfrak{P}^n)$. Then if f is a completary multifuncoid of the form $\mathfrak{P}^n$, then $\upuparrows f$ is a completary multifuncoid of the form $\mathfrak{F}^n$.

Conjecture 4. Let f_1 and f_2 are monovalued, entirely defined funcoids with $\operatorname{Src} f_1 = \operatorname{Src} f_2 = A$. Then there exists a pointfree funcoid $f_1 \times^{(D)} f_2$ such that (for every fitler x on A)

$$\langle f_1 \times^{(D)} f_2 \rangle x = \bigsqcup \{ \langle f_1 \rangle X \times^{\mathsf{FCD}} \langle f_2 \rangle X \quad | \quad X \in \operatorname{atoms} x \}.$$

(The join operation is taken on the lattice of filters with reversed order.)

A positive solution of this problem may open a way to prove that some funcoids-related categories are cartesian closed.

Conjecture 5. $b \not\asymp^{\operatorname{Anch}(\mathfrak{A})} \operatorname{StarComp}(a; f) \Leftrightarrow \forall A \in \operatorname{GR} a, B \in \operatorname{GR} b, i \in n \colon A_i \, [f_i] \, B_i$ for anchored relations a and b on powersets.

It's consequence:

Conjecture 6. $b \not\asymp^{\operatorname{Anch}(\mathfrak{A})} \operatorname{StarComp}(a; f) \Leftrightarrow a \not\asymp^{\operatorname{Anch}(\mathfrak{A})} \operatorname{StarComp}(b; f^{\dagger})$ for anchored relations a and b on powersets.

Conjecture 7. $b \not\asymp^{\mathsf{Strd}(\mathfrak{A})} \operatorname{StarComp}(a; f) \Leftrightarrow a \not\asymp^{\mathsf{Strd}(\mathfrak{A})} \operatorname{StarComp}(b; f^{\dagger})$ for pre-staroids a and b on powersets.

Conjecture 8. $f \sqsubseteq \prod^{\mathsf{RLD}} a \Leftrightarrow \forall i \in \operatorname{arity} f \colon \operatorname{Pr}_i^{\mathsf{RLD}} f \sqsubseteq a_i$ for every multireloid f and $a_i \in \mathfrak{F}((\operatorname{form} f)_i)$ for every $i \in \operatorname{arity} f$.

Conjecture 9. $L \in [f] \Rightarrow [f] \cap \prod_{i \in \operatorname{dom} \mathfrak{A}} \operatorname{atoms} L_i \neq \emptyset$ for every pre-multifuncoid f of the form whose elements are atomic posets. (Does this conjecture hold for the special case of form whose elements are posets on filters on a set?)

Conjecture 10. The formula $f \sqcup^{\mathsf{FCD}(\mathfrak{A})} g \in \mathsf{cFCD}(\mathfrak{A})$ is not true in general for completary multifuncoids (even for multifuncoids on powersets) f and g of the same form $\mathfrak{A}$.

Conjecture 11. $\operatorname{GR} \operatorname{StarComp}(a \sqcup^{\mathsf{pFCD}} b; f) = \operatorname{GR} \operatorname{StarComp}(a; f) \sqcup^{\mathsf{pFCD}} \operatorname{GR} \operatorname{StarComp}(b; f)$ if f is a pointfree funcoid and a, b are multifuncoids of the same form, composable with f.

Conjecture 12. Every metamonovalued funcoid is monovalued.

Conjecture 13. Every metamonovalued reloid is monovalued.

Conjecture 14. Every monovalued reloid is metamonovalued.