OBVIOUS 745. The filtrator of unfixed filters is down-aligned.

PROPOSITION 746. The filtrator of unfixed filters is

1°. filtered;
2°. with join-closed core.

PROOF. Theorem 531. ◻

PROPOSITION 747. The filtrator of unfixed filters is with binarily meet-closed core.

PROOF. Corollary 533. ◻

PROPOSITION 748. The filtrator of unfixed filters is with separable core.

PROOF. Theorem 534. ◻

PROPOSITION 749. $\operatorname{Cor} \mathcal{X}$ and $\operatorname{Cor}' \mathcal{X}$ are defined for every unfixed filter $\mathcal{X}$ and $\operatorname{Cor} \mathcal{X} = \operatorname{Cor}' \mathcal{X}$, provided that every DA is a complete lattice.

PROOF. $\operatorname{Cor} \mathcal{X}$ and $\operatorname{Cor}' \mathcal{X}$ exists because of the above isomorphism.
$\operatorname{Cor}' \mathcal{X} = \operatorname{Cor} \mathcal{X}$ by theorem 542. ◻

OBVIOUS 750. $\operatorname{Cor} \mathcal{X} = \operatorname{Cor}' \mathcal{X} = \bigcap \mathcal{X}$ for every filter $\mathcal{X} \in \mathfrak{F}(\text{small sets})$.

PROPOSITION 751. $\operatorname{atoms} \bigsqcap S = \bigcap \langle \operatorname{atoms} \rangle^* S$ whenever $\bigsqcap S$ is defined.

PROOF. Theorem 108. ◻

PROPOSITION 752. $\operatorname{atoms}(\mathcal{A} \sqcup \mathcal{B}) = \operatorname{atoms} \mathcal{A} \cup \operatorname{atoms} \mathcal{B}$ for unfixed filters $\mathcal{A}$, $\mathcal{B}$, whenever $\mathfrak{Z}$ is a distributive lattice which is an ideal base.

PROOF. Proposition 554. ◻

PROPOSITION 753. $\partial \mathcal{X}$ is a free star for every unfixed filter $\mathcal{X}$, whenever $\mathfrak{Z}$ is a distributive lattice which is an ideal base which has a least element.

PROOF. Theorem 563. ◻

PROPOSITION 754. The poset of unfixed filters is an atomistic lattice if every DA (for $A \in \mathfrak{A}$) is an atomistic lattice.

PROOF. Easily follows from 735 by isomorphism. ◻

PROPOSITION 755. The poset of unfixed filters is a strongly separable lattice if every DA (for $A \in \mathfrak{A}$) is an atomistic lattice.

PROOF. Theorem 231. ◻

PROPOSITION 756. $\operatorname{Cor} \mathcal{X} = \bigsqcup (\mathfrak{Z} \cap \operatorname{atoms}^{\text{unfixed filters}})$ for every unfixed filter $\mathcal{X}$ if every DA (for $A \in \mathfrak{A}$) is an atomistic lattice.

PROOF. Theorem 596. ◻

PROPOSITION 757. $\operatorname{Cor}(\mathcal{A} \sqcap \mathcal{B}) = \operatorname{Cor} \mathcal{A} \sqcap \operatorname{Cor} \mathcal{B}$ for every unfixed filters $\mathcal{A}$, $\mathcal{B}$, provided every DA (for $A \in \mathfrak{A}$) is a complete lattice.

PROOF. Theorem 598. ◻

PROPOSITION 758. $\operatorname{Cor} \bigsqcap^{\mathfrak{A}} S = \bigsqcap^{\mathfrak{Z}} \langle \operatorname{Cor} \rangle^* S$ for the filtrator of unfixed filters for every nonempty set S of unfixed filters, provided every DA (for $A \in \mathfrak{A}$) is a complete lattice.

PROOF. Theorem 599. ◻