Nearness spaces, obtained by axiomatizing the concept of near-collections (alternatively: of uniform covers; alternatively of collections with arbitrary small members), form a pleasant category $\text{Near}$ that contains the categories $\text{Top}$, of symmetric topological spaces, $\text{Unif}$ of uniform spaces and $\text{Cont}$ of contiguity spaces as nicely embedded full subcategories. By weakening Weil’s axioms on entourages for uniform spaces the author obtains the category $\text{WNear}$ of Weil nearness spaces with similar features: (1) $\text{WNear}$ is a well-fibred topological construct. (2) $\text{Top}$ is (up to concrete isomorphism) a bicoreflective subcategory of $\text{WNear}$. (3) $\text{Unif}$ is (up to . . .) a bireflective subcategory of $\text{WNear}$. Moreover, as for topological spaces, uniform spaces and nearness spaces there is a “non-spatial” frame-theoretic generalization of Weil nearness spaces, briefly discussed by the authors.

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