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Title:	Punctual gluing of t-structures and weight structures
Authors:	Vaish, Vaibhav (/jspui/browse?type=author&value=Vaish%2C+Vaibhav)
Keywords:	Punctual gluing t-structures Mathematica
Issue Date:	2020
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Abstract:	We formulate a notion of "punctual gluing" of t-structures and weight structures. As our main application we show that the relative version of Ayoub's 1-motivic t-structure restricts to compact motives. We also demonstrate the utility of punctual gluing by recovering several constructions in literature. In particular we construct the weight structure on the category of motivic sheaves over any base X and we also construct the relative Artin motive and the relative Picard motive of any variety Y/X.
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