

# Compactifications and purity

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**Abstract :** After a concise introduction to weight structures (à la Bondarko), we illustrate how they can be employed in both Hodge theory and the theory of motives. In particular, in the latter context, the notion of absolute intersection motive of a smooth variety  $X$  can be defined, independently of compactifications of  $X$ . This (Chow) motive is expected to realize to the corresponding object in Hodge theory. However, to identify the latter, or even its (pure) cohomology objects, seems to be non-trivial.