

Brosnan

Title: Degenerations of Mixed Hodge Structure from a Tanakian viewpoint

Abstract: Deligne observed a long time ago that the category of split real Hodge structures is equivalent to the category of representations of a certain rank 2 torus. Later he described the Tanakian Galois group of the category of all real mixed Hodge structures as a certain extension of this torus. I'll discuss this and joint work with Greg Pearlstein where we spell out a similar picture for degenerations of real mixed Hodge structure