

Hodge theory and tame geometry

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In my talk, I will explain how Griffiths classical constructions of period spaces and period maps in complex Hodge theory and their generalizations to the mixed setting take place naturally in the realm of definable complex analytic geometry. I will also discuss some applications. No previous knowledge of Hodge theory will be assumed. Based on joint works with Ben Bakker, Bruno Klingler and Jacob Tsimerman.