Curves in Hilbert modular varieties
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We study curves in Hilbert modular varieties from the point of view of the Green-Griffiths-Lang conjecture claiming that entire curves in complex projective varieties of general type should be contained in a proper subvariety. Using holomorphic foliations theory, we establish a function field analogue of Vojta's conjecture. We also establish the strong Green-Griffiths-Lang conjecture for Hilbert modular varieties up to finitely many possible exceptions. (Joint work with F. Touzet)