

1027-11-76

**Machiel van Frankenhuijsen\*** ([vanframa@uvsc.edu](mailto:vanframa@uvsc.edu)), Department of Mathematics, 800 West University Parkway, Orem, UT 84058. *ABC implies the Radicalized Vojta Height Inequality for curves.*

Serge Lang formulated a conjecture about the different nature of the error term in ‘radicalized’ and ‘nonradicalized’ statements in number theory. The radicalized statements are generally stronger, and have a weaker error term. We show that the abc conjecture (a ‘radicalized’ conjecture) implies both the VHI for curves and its radicalized version, both with the same ‘radicalized’ (i.e. weak) error term. (Received February 15, 2007)