

Limits of Special Weierstrass Points

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I will report on some joint work with C. Cumino and E. Esteves. Let P be a smooth point of a uninodal stable curve of genus $g \geq 2$. A necessary and sufficient condition for P being a limit of a special Weierstrass point on neighbouring smooth curves will be discussed. The result is related with previous important work by Diaz and Cukierman.