Active steel Detection of Acceleration Sole Ecuptions using Paragelic Hough Transform

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10:34 11:05 12:09 12:41 13:46 Time (UT)

Height-time plot

c Hough Transform

Detect parabola of the form: $(r-r_0) = S \times (t-t_0)^2$ Parameters: r_0 , t_0 , S and θ . r_0 is set at $1R_0$ and $\theta = 90^\circ$. $t_0 = t - \sqrt{((1/S)^*(r - r_0))}$ Thus, a 4-D problem can be reduced to 2-D problem.

Thank you

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