



D. Function Computation

The velocity function was computed by the Nash Miller method, using the following expressions and information from the plot of vertical time against depth.

$$a = \frac{4,605}{t_1} \log_{10} \left(\frac{z_1 - z_2}{z_2} \right)$$

$$Vd = \frac{az_1}{e^{at_1} - 1}$$

z_1 and t_1 are corresponding depth and one way time at a deeper point in the section, and z_2 is the depth corresponding to one way time of $\frac{t_1}{2}$ secs.

This function was computed with respect to a sea level datum plane.