Estimates of the neutral delay, $\ell$, for each site in a GPS network

For each site $k$ in the network

Identify the timeseries, $\ell_i$, for each site, $i$, surrounding the site $k$ within a radius of $x$ km

Using the model:
$\ell_i(t) = \ell_k(t + \tau_i) + w(t)$
$\tau_i$ can be found as the MLE.

Calculate the distance, $d_i$, between the sites $k$ and $i$.

Estimate the water vapor wind-vector, $\mathbf{v}_k$, assuming the model:
$\frac{\mathbf{v}_k}{|\mathbf{v}_k|^2} \cdot \mathbf{d}_i = \tau_i$
using the Gauss-Newton method for non-linear least-squares.

$\mathbf{v}_k$
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