$$N = \sum_t \left[\sum_i r_i(t - \Delta t_i) \right]^2 - \sum_t \left[\sum_i r_i(t + \Delta t_i) \right]^2$$

$r_i(t)$ is response of ith cell which is delayed by $\Delta t_i = \dfrac{x_i}{s}$ where x_i is the position in the receptive field and s is the speed estimate.