$$
\begin{aligned}
&Let\ N = \{x_1,\ \ldots\ x_n\} \\
&where\ x_{focal} = x_{\lceil \frac{n}{2} \rceil} \\
s.t.\ Roughness(N) &= \frac{1}{n}\sqrt{\sum_{i=1}^{n}\left(x_{focal} - x_i\right)^2} \\
&= SD_{focal}(N)
\end{aligned}
$$