Welch–Satterthwaite equation

Intro

Equation

approximates to

=

for all real positive number

where

=

refers the degree of freedom of .

Special case

Typical, we select =

Then, approximates to

=

Ref

[Welch–Satterthwaite equation - Wikipedia](https://en.wikipedia.org/wiki/Welch%E2%80%93Satterthwaite_equation)