$$T_{gos} = V(1500, 2500 \text{ k})$$

$$T_{conl} = K\left(\frac{T_{gos} - \overline{T}_{gos}}{\overline{t}_{gos}}\right) \overline{T}_{conl} + \overline{T}_{conl} + \overline{T}_{conl}$$

$$T_{conl} = V(1500, 2500 \text{ k})$$

$$T_{conl} = V(-150, 150 \text{ k})$$

$$Good$$

$$Good$$

3 cases: I.)
$$k=0$$
, $\tilde{T}_{col} = U(-150, 150k)$

I.) $k=0.5$, $\tilde{T}_{cool} = U(-75k, 75k)$

I.)
$$T_{9as} \sim U(1500, 2500)$$
 $T_{cool} = 600 \text{ k} + U(-150, 150)$
 $qq\% \text{ CI}: T_{9as} = [1504.3, 2495.3]$ See attacked plot
 $T_{cool} = [451.5, 748.2]$
 $T_{mh} = [1084.1, 1738.8]$

II.)
$$T_{ge}$$
, $\sim U(1500, 2506)$ $T_{col} = 300K \left(\frac{T_{ge} - 2000}{2000K}\right) + 600K + U(-75, 75)$

$$qq \% CI: T_{ge} = \begin{bmatrix} 1505.6, 2494.3 \end{bmatrix}$$

$$T_{col} = \begin{bmatrix} 465.5, 734.7 \end{bmatrix}$$
 See affected plot

The scatter plot bears over linear as Kinarums + variability decreases



The CI also increded in range as K thoround