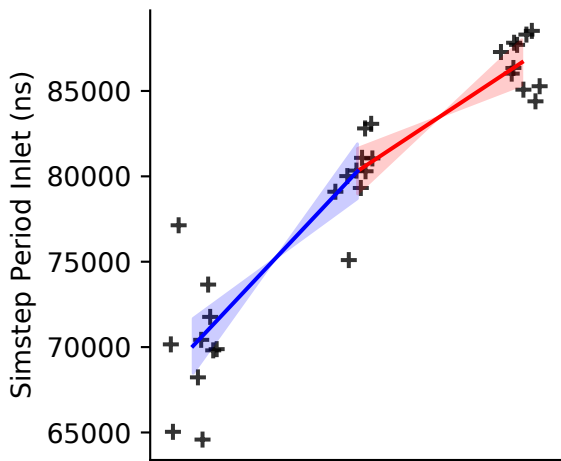


Quantile Regression

Cpus Per Node = 1



Cpus Per Node = 4

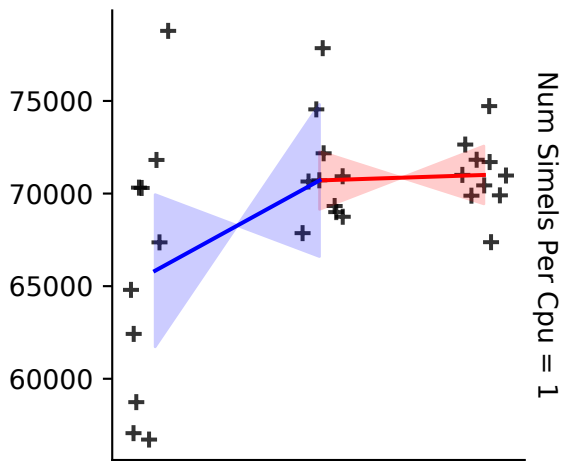


Figure 10 is a line graph showing the Simstep Period Inlet (ns) versus Log Num Processes. The y-axis is labeled 'Simstep Period Inlet (ns)' and ranges from 1.7 to 2.1, with a multiplier of $1e6$ at the top. The x-axis is labeled 'Log Num Processes' and ranges from 2 to 3. A blue line connects data points at 2 and 3 processes, showing a sharp increase in period inlet. A red line connects data points at 3 and 4 processes, showing a slight decrease. Data points are marked with '+' symbols.

| Log Num Processes | Simstep Period Inlet (ns) ($\times 10^6$) |
|-------------------|---|
| 2 | ~1.71 |
| 3 | ~2.06 |
| 4 | ~2.00 |

Num Simels Per Cpu = 2048

| Log Num Processes | Blue Series (Num Simels Per Cpu) | Red Series (Num Simels Per Cpu) |
|-------------------|----------------------------------|---------------------------------|
| 2 | ~1.58 | ~1.58 |
| 3 | ~1.95 | ~1.92 |
| 4 | ~1.85 | ~1.82 |