

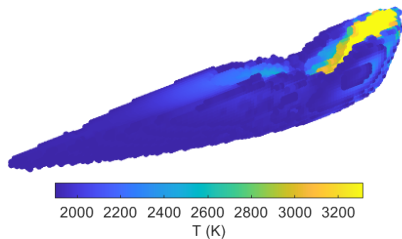
100 μm

**X- μ CT Measurements of
Ti-6Al-4V Powder**

1

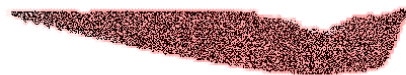
+

**Multi-Physics Melt Pool
Simulations**



2

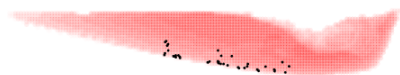
Pore Trajectory Model
>100k independent trajectories



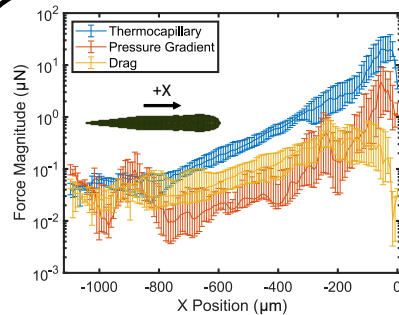
Initial positions



Single Track



After Remelting



Quantify Pore Forces

3

+

Effect of Remelting on Porosity

