

Outline

~~Prep work~~

~~Monday:~~

~~Derivative by Blow up~~

~~Fixed points.~~

March 5
Lectures
Outline.

1. Warm up Chain rule,
2. $\frac{d}{dx} \int_0^{g(x)} f(s) ds = ?$
3. Solution to $\sqrt{2+\sqrt{2+\sqrt{2}}}$ problem
4. Fixed points of Maps.
Newton iteration.
5. Derivatives as Blow Ups