

Error Gauge

10^2

10^2
Error

- $\|x^{up} - x^{down}\|_2 - \alpha = 2.00$
- Minimum - $\|x^{up} - x^{down}\|_2 - \alpha = 2.00$
- $\|x^{(k)} - \bar{x}\|_2 - \alpha = 2.00$
- $\|\frac{1}{2}(x^{up} + x^{down}) - \bar{x}\|_2 - \alpha = 2.00$
- Minimum - $\|x^{(k)} - \bar{x}\|_2 - \alpha = 2.00$
- Minimum - $\|\frac{1}{2}(x^{up} + x^{down}) - \bar{x}\|_2 - \alpha = 2.00$

0.0

0.5

1.0

1.5

2.0

2.5

3.0

Iterations

$\times 10^7$