

# Displacement sensing (6)

$1/\mathcal{F}_D$

$\times 10^{-1}$

- $\alpha = \sqrt{6}$
- $\alpha = \sqrt{4}$

4

$\times 10^{-3}$

$\beta = 0.99$

$\beta = 0.999$

- $\alpha = \sqrt{6}$
- $\alpha = \sqrt{4}$

- $\alpha = \sqrt{6}$
- $\alpha = \sqrt{4}$

$1/\mathcal{F}_D$

2

0

0.00

0.01

0.02

0.03

0.04

0.05

$\langle n_d \rangle$

3

4

5

6