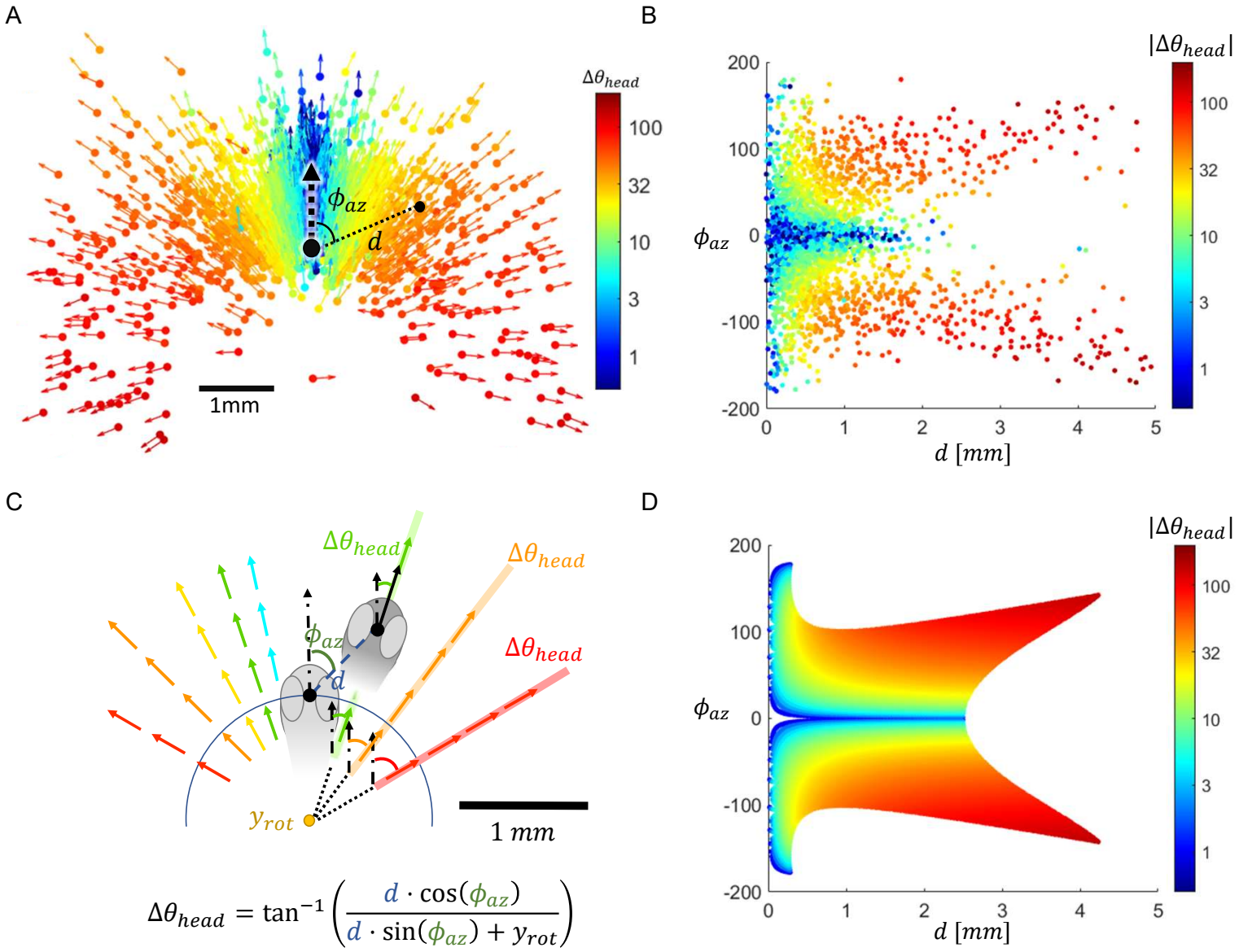
A
B
C
D
$\Delta\theta_{head}$
100
32
10
3
1
ϕ_{az}
d
1mm
$|\Delta\theta_{head}|$
200
100
0
-100
-200
0
1
2
3
4
5
$d\ [mm]$
$\Delta\theta_{head}$
$\Delta\theta_{head}$
$\Delta\theta_{head}$
ϕ_{az}
d
y_{rot}
$1\ mm$
$\Delta\theta_{head} = \tan^{-1}\left(\frac{d \cdot \cos(\phi_{az})}{d \cdot \sin(\phi_{az}) + y_{rot}}\right)$