

A  $\theta_{head}$  vs  $\theta_{prey}^{rot}$  slopes for different separations of the data

$d_{50} = 2.34\text{ mm}$  (50% of data)       $d_{75} = 3.15\text{ mm}$  (75% of data)       $d_{90} = 4\text{ mm}$  (90% of data)

$d_{prey} < d_{50}$     $d_{prey} > d_{50}$        $d_{prey} < d_{75}$     $d_{prey} > d_{75}$        $d_{prey} < d_{90}$     $d_{prey} > d_{90}$

$\theta_{prey}^{rot} < 5^\circ$   
(50% of data)

$1.18 \pm 0.25$	$0.79 \pm 0.22$
$0.97 \pm 0.05$	$0.82 \pm 0.03$

$1.07 \pm 0.2$	$0.81 \pm 0.33$
$0.95 \pm 0.04$	$0.79 \pm 0.04$

$1.04 \pm 0.18$	$0.68 \pm 0.72$
$0.92 \pm 0.03$	$0.75 \pm 0.06$

$\theta_{prey}^{rot} > 5^\circ$

$\theta_{prey}^{rot} < 10^\circ$   
(75% of data)

$1.12 \pm 0.12$	$0.82 \pm 0.1$
$0.96 \pm 0.06$	$0.82 \pm 0.04$

$1.03 \pm 0.09$	$0.79 \pm 0.14$
$0.95 \pm 0.04$	$0.79 \pm 0.05$

$1.00 \pm 0.08$	$0.77 \pm 0.26$
$0.91 \pm 0.04$	$0.75 \pm 0.07$

$\theta_{prey}^{rot} > 10^\circ$

$\theta_{prey}^{rot} < 20^\circ$   
(90% of data)

$1.12 \pm 0.08$	$0.86 \pm 0.06$
$0.91 \pm 0.07$	$0.81 \pm 0.05$

$1.05 \pm 0.06$	$0.79 \pm 0.08$
$0.91 \pm 0.06$	$0.79 \pm 0.06$

$1.00 \pm 0.05$	$0.77 \pm 0.15$
$0.88 \pm 0.05$	$0.75 \pm 0.09$

$\theta_{prey}^{rot} > 20^\circ$