

The inspiration

Cephalopods are "colour blind"

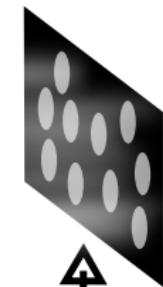


↔ Adaptive focal distance

a

Conventional Imaging

Everything
in focus



Everything
out of focus



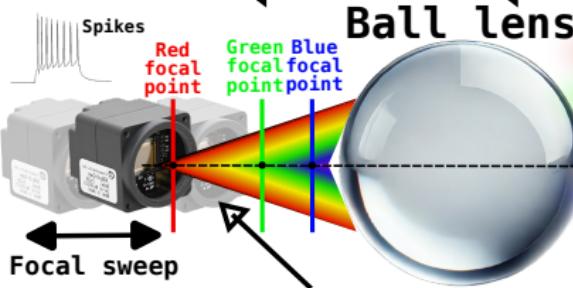
Focal sweep
Thin lens

Monochromatic vision

b

This work

Event camera + Ball lens =
Event-based Spectral Camera



Chromatic Aberration enables
"Colour-from-focus"
from visible to near infrared

c