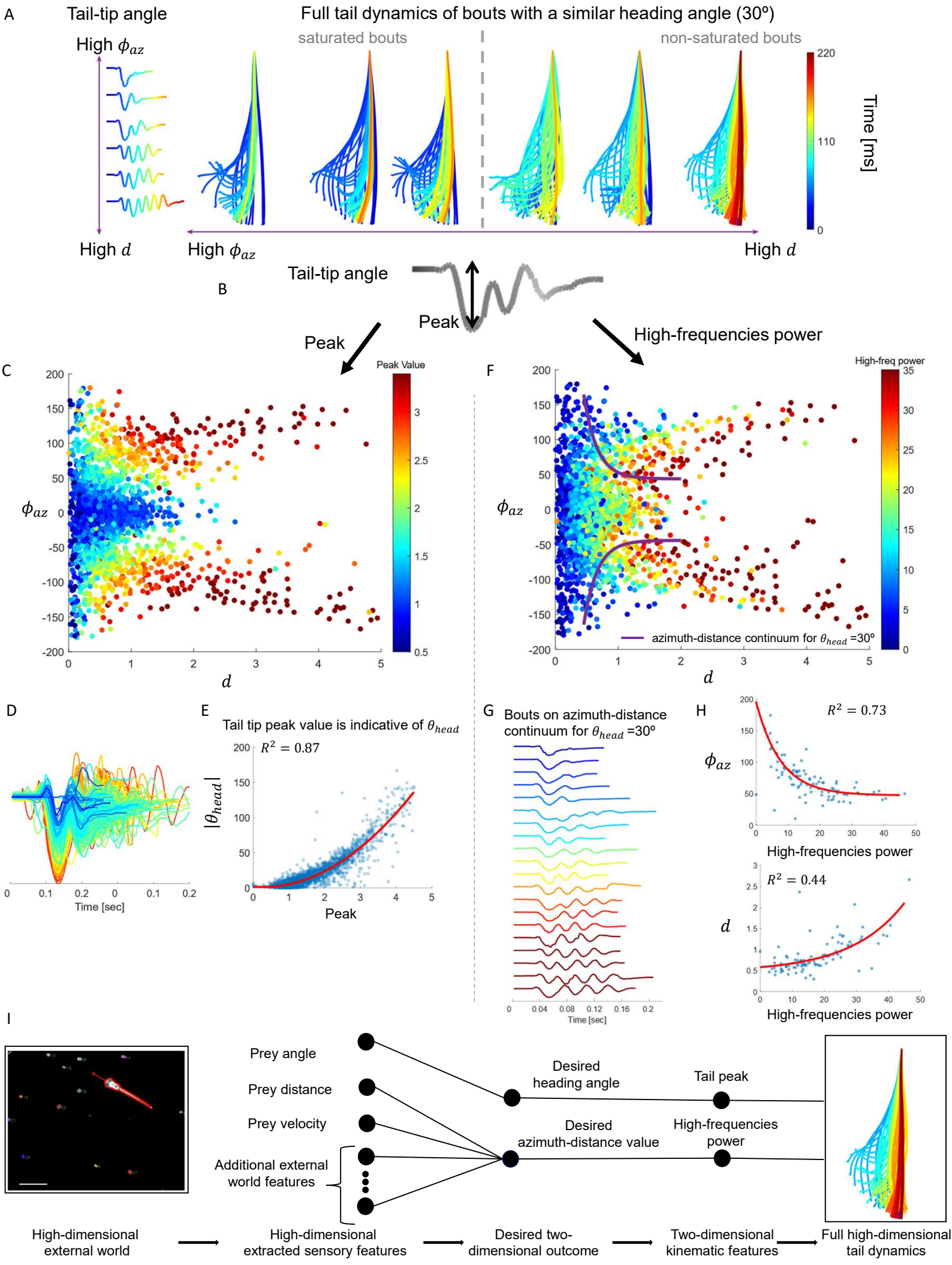
A
Tail-tip angle
Full tail dynamics of bouts with a similar heading angle (30º)
saturated bouts
non-saturated bouts
High ϕ_{az}
High d
High ϕ_{az}
High d
Time [ms]
220
110
0
B
Tail-tip angle
Peak
Peak
High-frequencies power
C
Peak Value
ϕ_{az}
d
F
High-freq power
ϕ_{az}
d
azimuth-distance continuum for θ_{head} =30º
D
Time [sec]
E
Tail tip peak value is indicative of θ_{head}
$R^2 = 0.87$
$|\theta_{head}|$
Peak
G
Bouts on azimuth-distance continuum for θ_{head} =30º
Time [sec]
H
$R^2 = 0.73$
ϕ_{az}
High-frequencies power
$R^2 = 0.44$
d
High-frequencies power
I
Prey angle
Prey distance
Prey velocity
Additional external world features
Desired heading angle
Tail peak
Desired azimuth-distance value
High-frequencies power
High-dimensional external world
High-dimensional extracted sensory features
Desired two-dimensional outcome
Two-dimensional kinematic features
Full high-dimensional tail dynamics