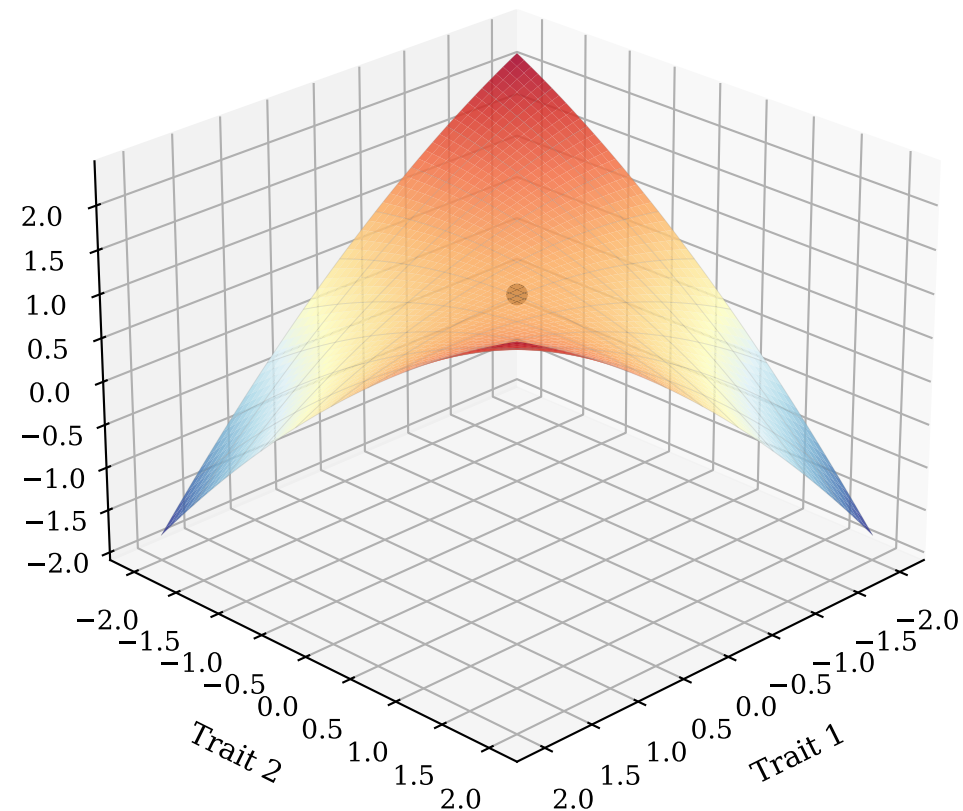# A Fitness Saddle from Correlational Selection (γ with Mixed Eigenvalues)
Stabilizing selection ($\lambda < 0$) along one axis, disruptive ($\lambda > 0$) along the perpendicular.

(a) Fitness Saddle: 3D View

(b) Contour View from Above

Legend:
- $\mathbf{v}_1$ ($\lambda = 0.30$, disruptive)
- $\mathbf{v}_2$ ($\lambda = -0.70$, stabilizing)

$\mathbf{v}_1$ (ridge)

saddle

$\mathbf{v}_2$ (valley)

Trait 1

Trait 2

Fitness w(z)

2.200
1.779
1.358
0.937
0.516
0.095
-0.326
-0.747
-1.168
-1.589