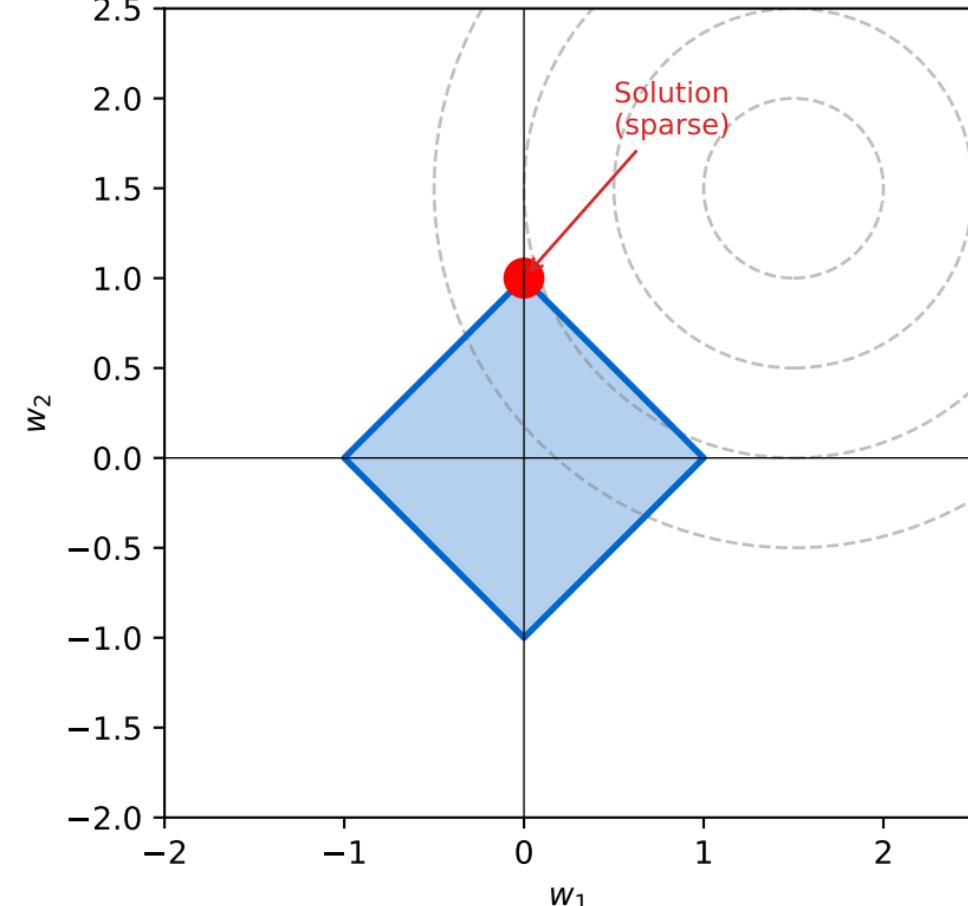
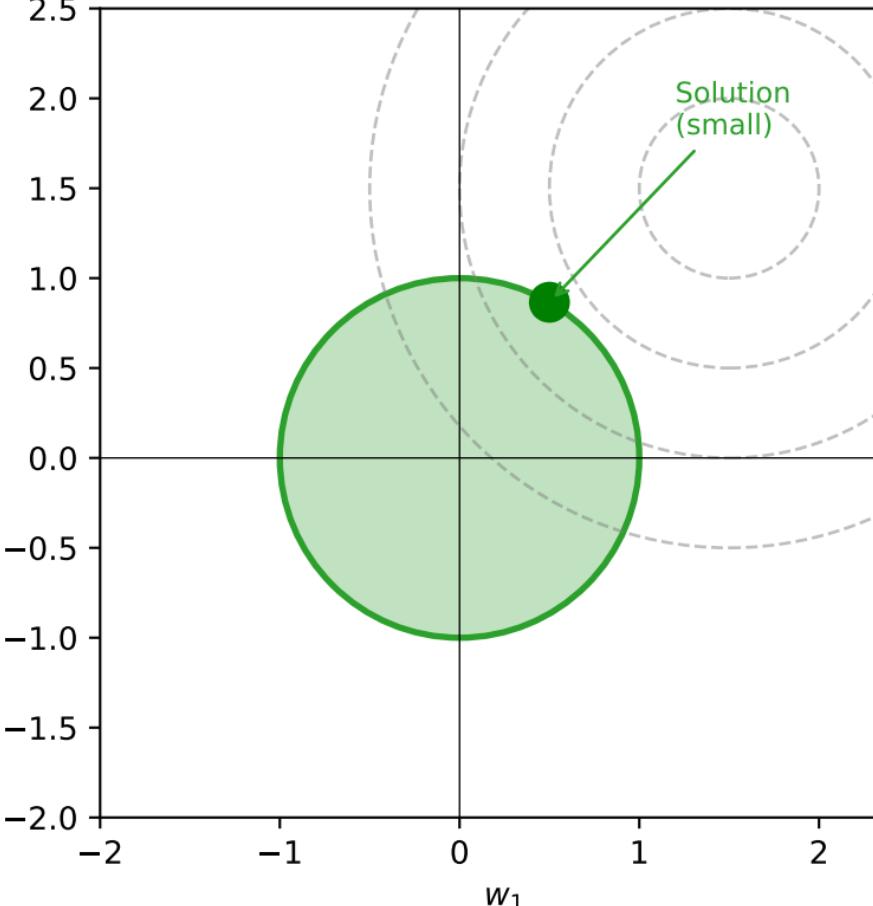


L1 (Lasso): $|w_1| + |w_2| \leq c$



L2 (Ridge): $w_1^2 + w_2^2 \leq c$



L1 vs L2 Comparison

Property	L1 (Lasso)	L2 (Ridge)
Constraint	Diamond	Circle
Sparsity	Yes (zeros)	No
Feature Selection	Automatic	No
Correlated Features	Picks one	Shrinks all
Computational	Harder	Easier