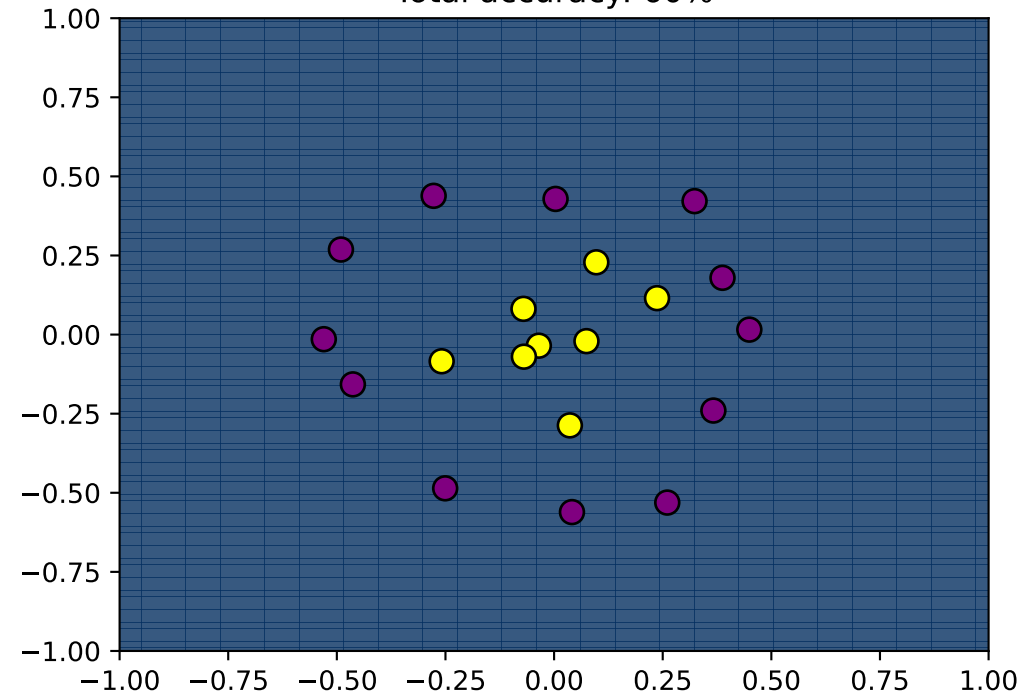
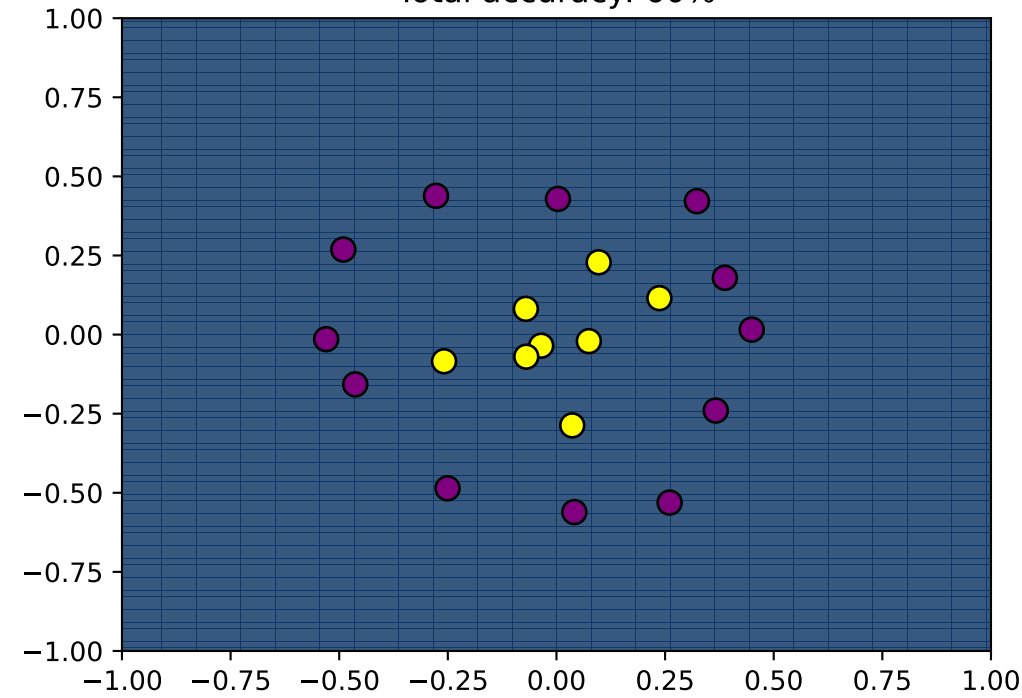


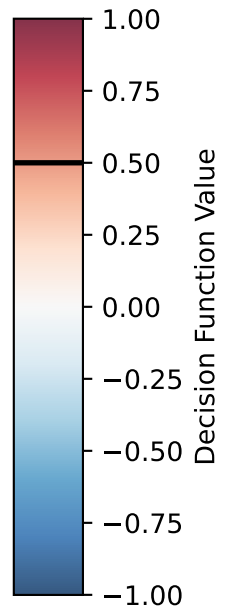
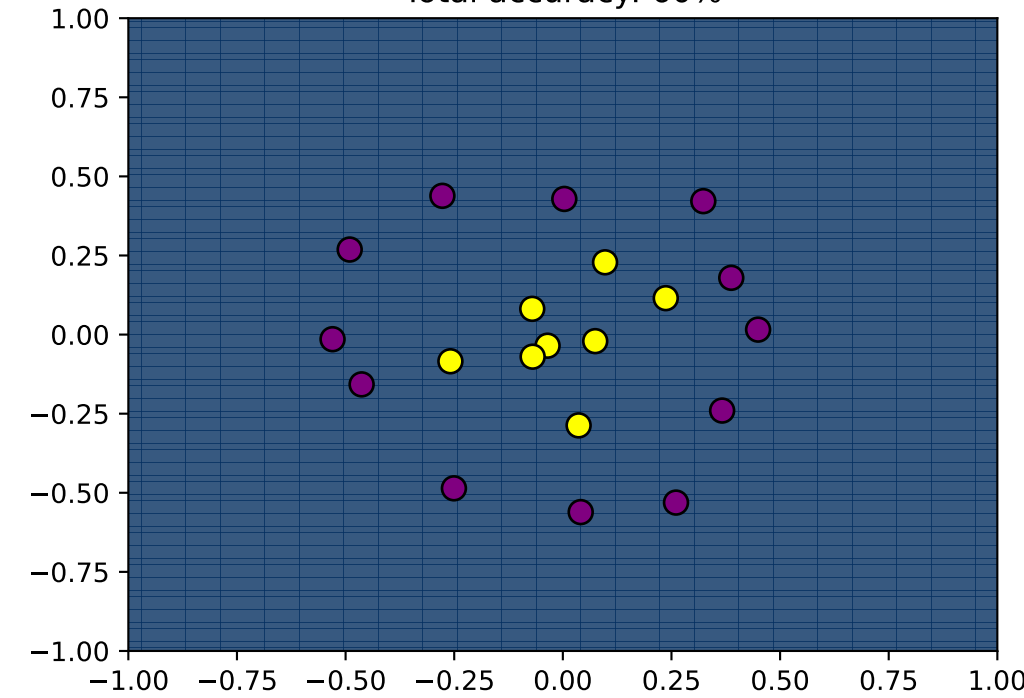
Linear Kernel, C=1
Class 1 accuracy: 0%
Class -1 accuracy: 100%
Total accuracy: 60%



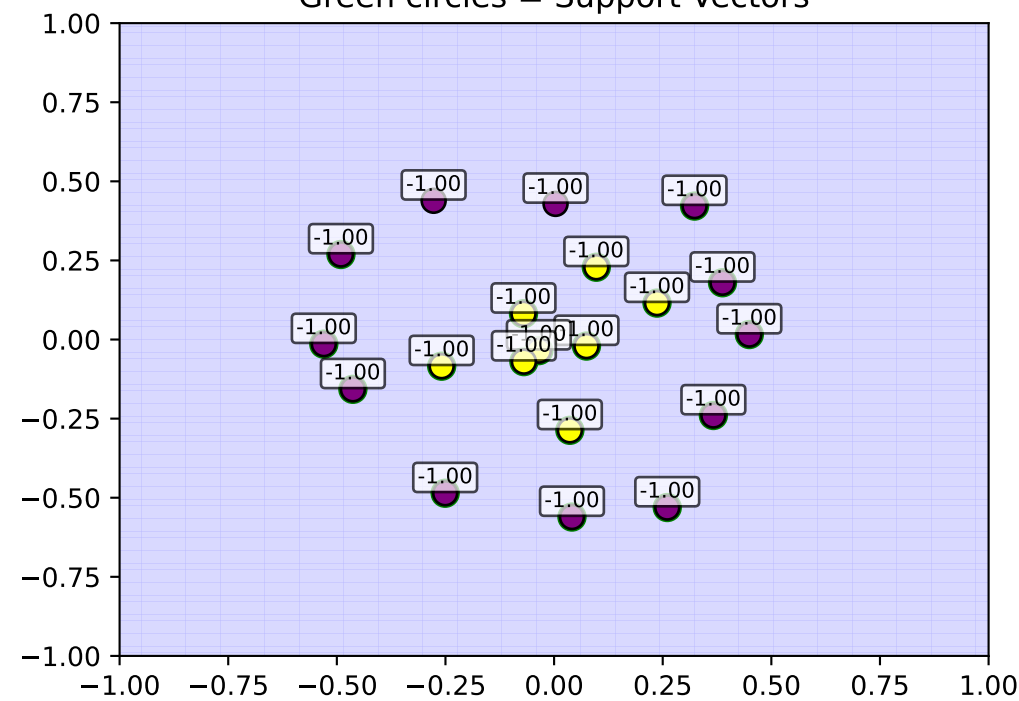
Linear Kernel, C=100
Class 1 accuracy: 0%
Class -1 accuracy: 100%
Total accuracy: 60%



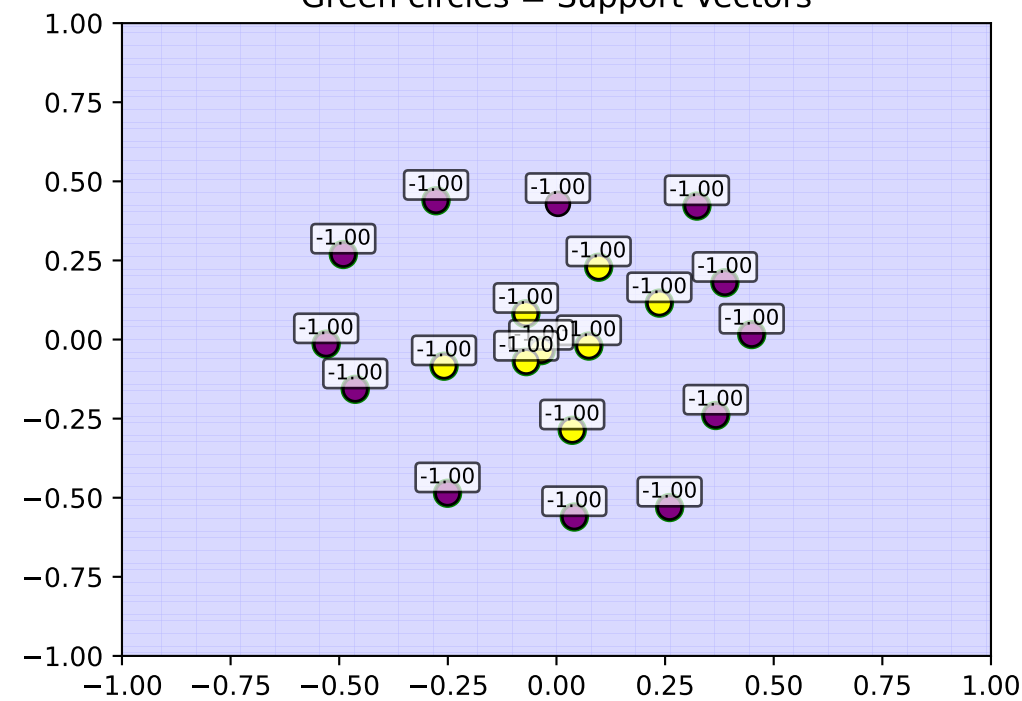
Linear Kernel, C=1000
Class 1 accuracy: 0%
Class -1 accuracy: 100%
Total accuracy: 60%



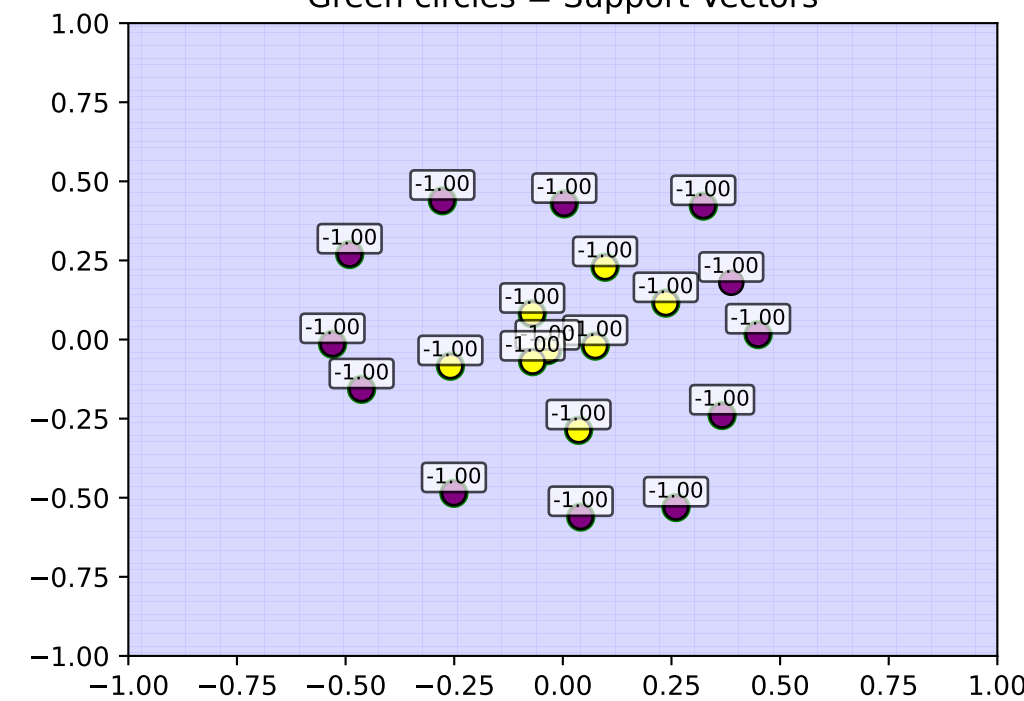
Decision Regions and Function Values
Positive (>0) = Class 1, Negative (<0) = Class -1
Green circles = Support Vectors



Decision Regions and Function Values
Positive (>0) = Class 1, Negative (<0) = Class -1
Green circles = Support Vectors



Decision Regions and Function Values
Positive (>0) = Class 1, Negative (<0) = Class -1
Green circles = Support Vectors



Note: The black line is the decision boundary (decision function = 0).
Points with decision function > 0 are classified as Class 1, points with decision function < 0 as Class -1.
A linear kernel can't create a closed boundary around the central cluster, unlike the RBF kernel.