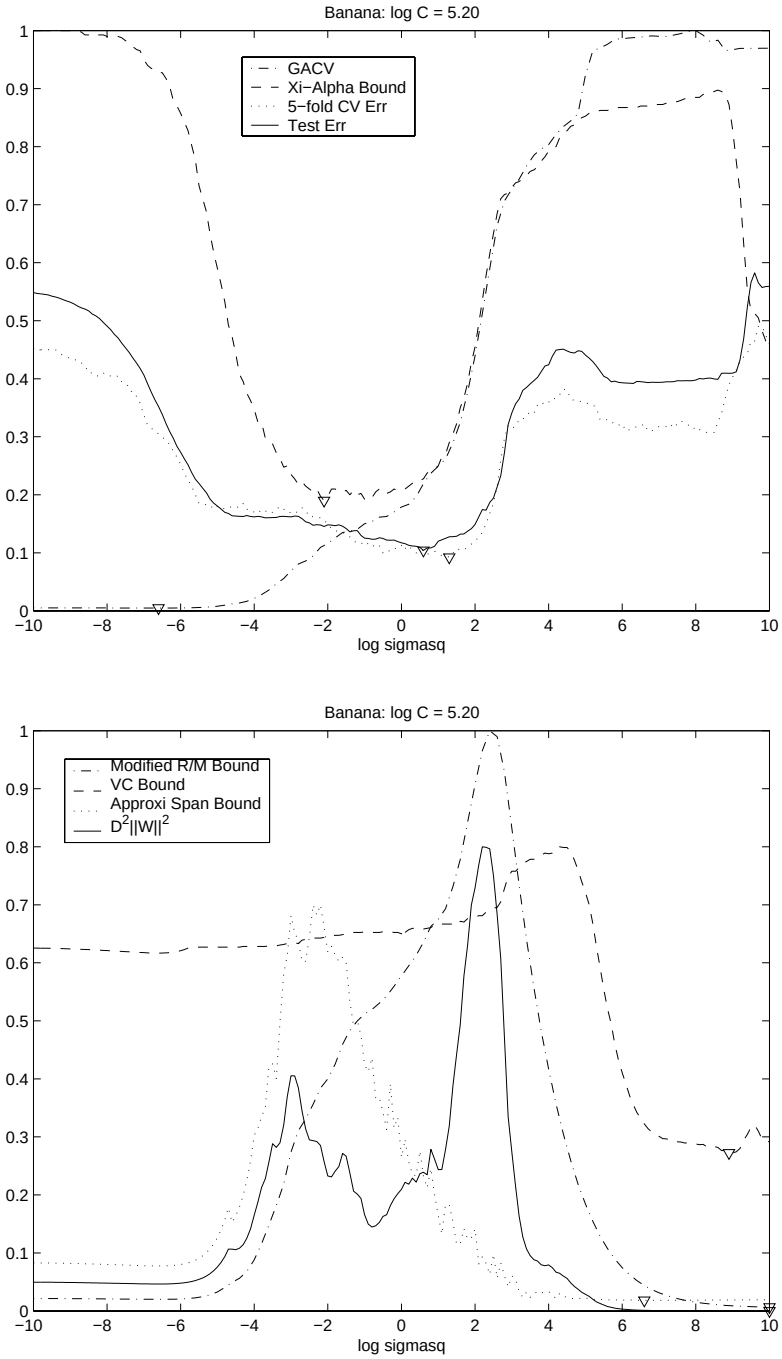

Figure 1: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and with respect to for fixed C value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

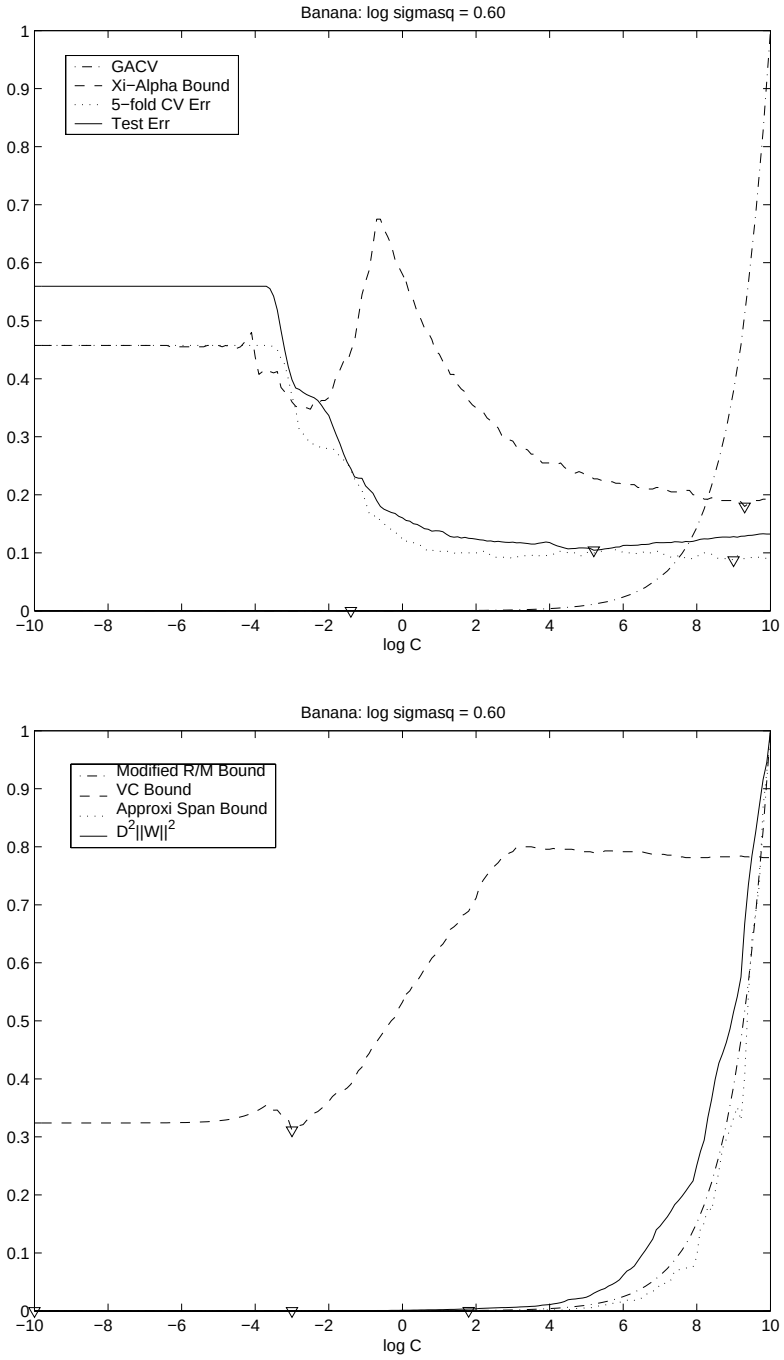

Figure 2: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and $D^2\|w\|^2$ with respect to C for fixed σ^2 value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

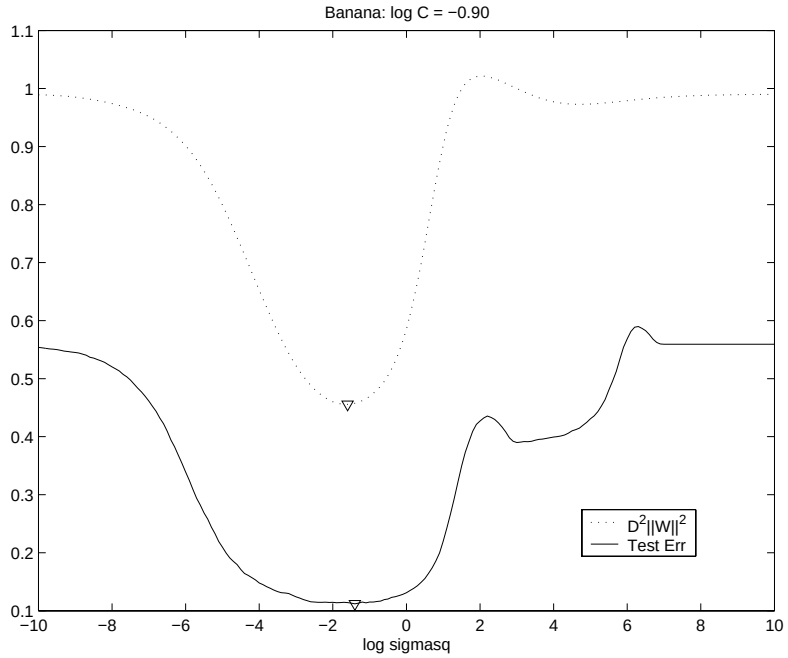

Figure 3: Variation of $D^2\|w\|^2$ and Test Err with respect to σ^2 for fixed C value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

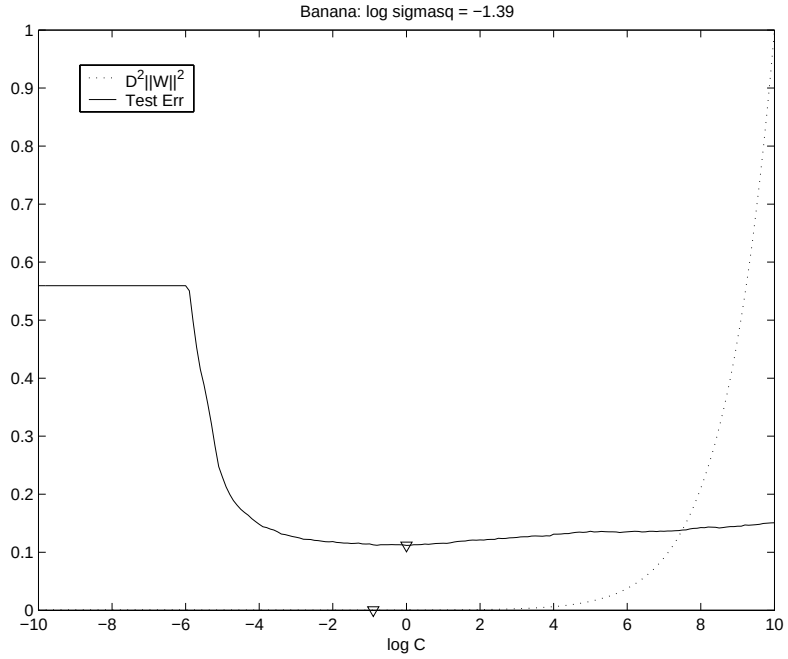

Figure 4: Variation of $D^2\|w\|^2$ and Test Err with respect to C for fixed σ^2 value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

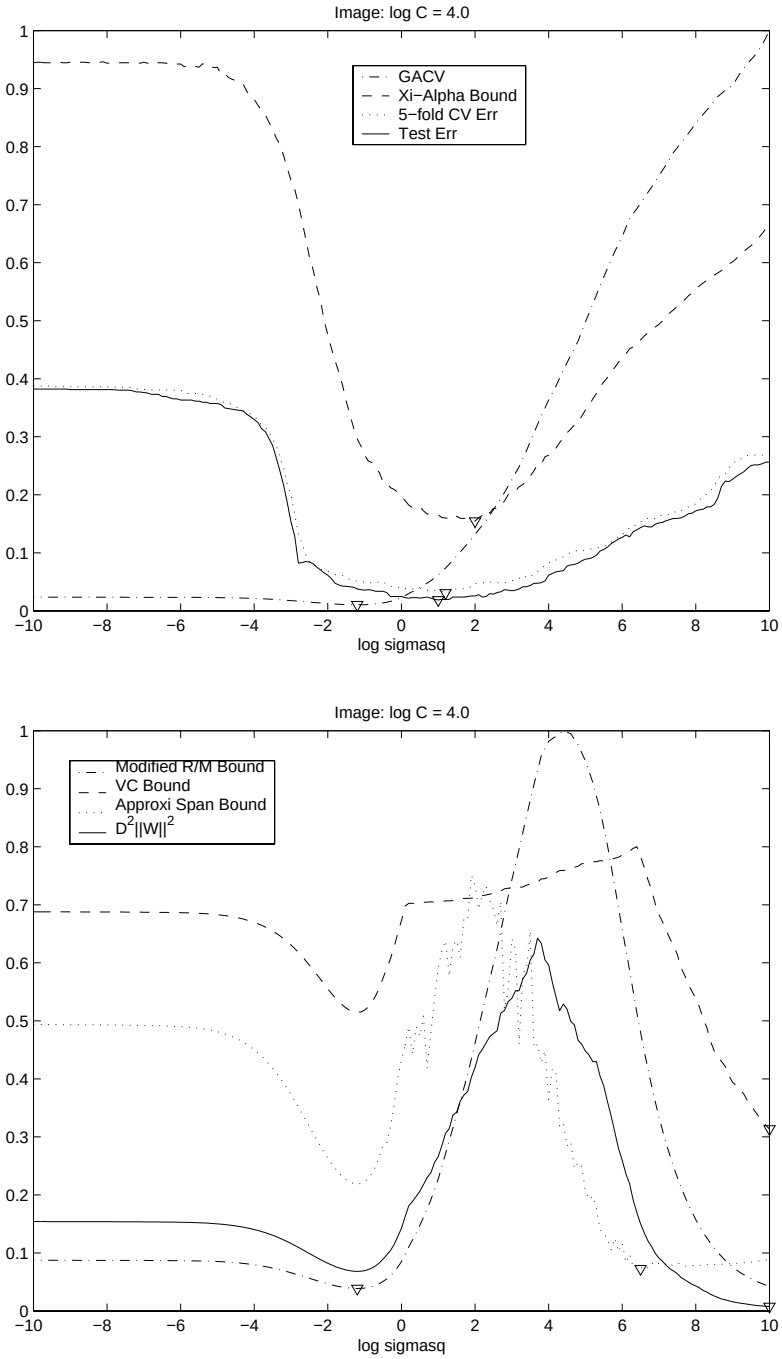

Figure 5: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and with respect to for fixed C value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

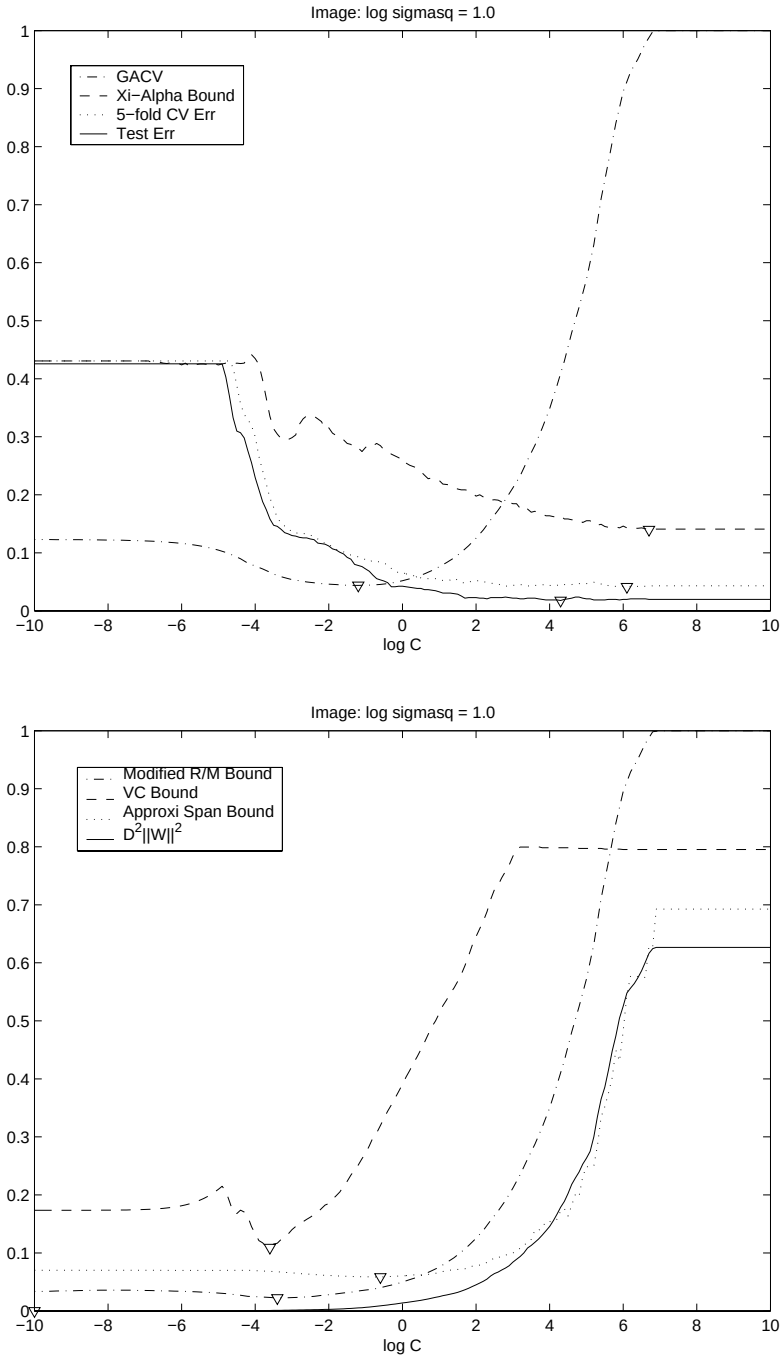

Figure 6: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and $D^2\|w\|^2$ with respect to C for fixed σ^2 value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

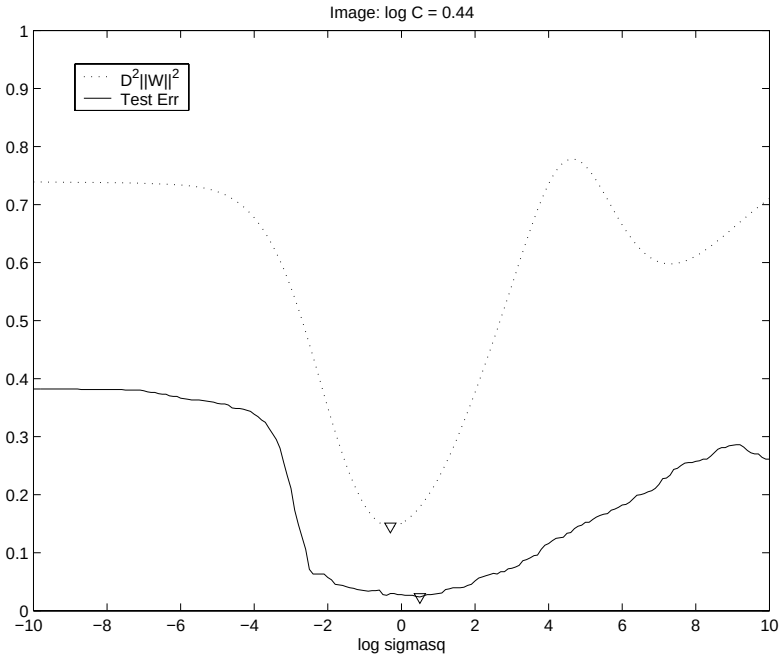

Figure 7: Variation of $D^2\|w\|^2$ and Test Err with respect to σ^2 for fixed C value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

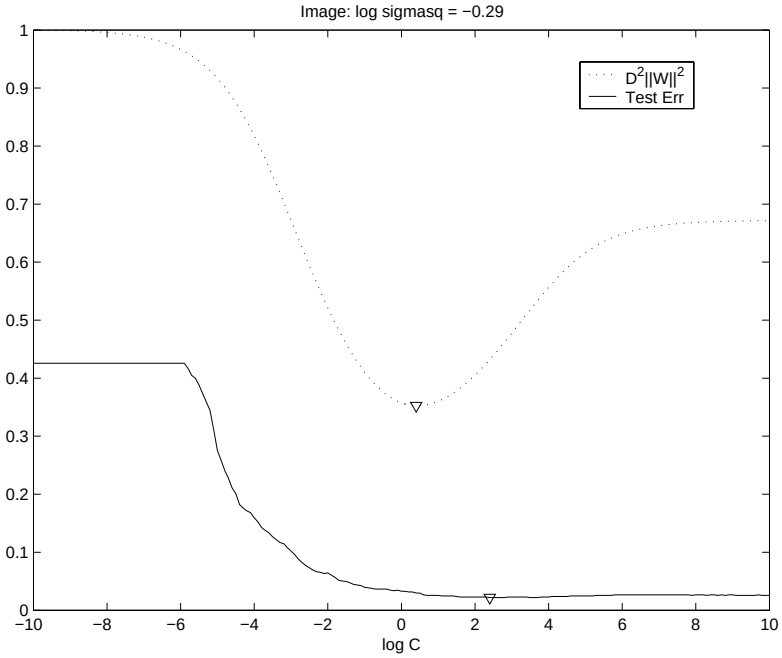

Figure 8: Variation of $D^2\|w\|^2$ and Test Err with respect to C for fixed σ^2 value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

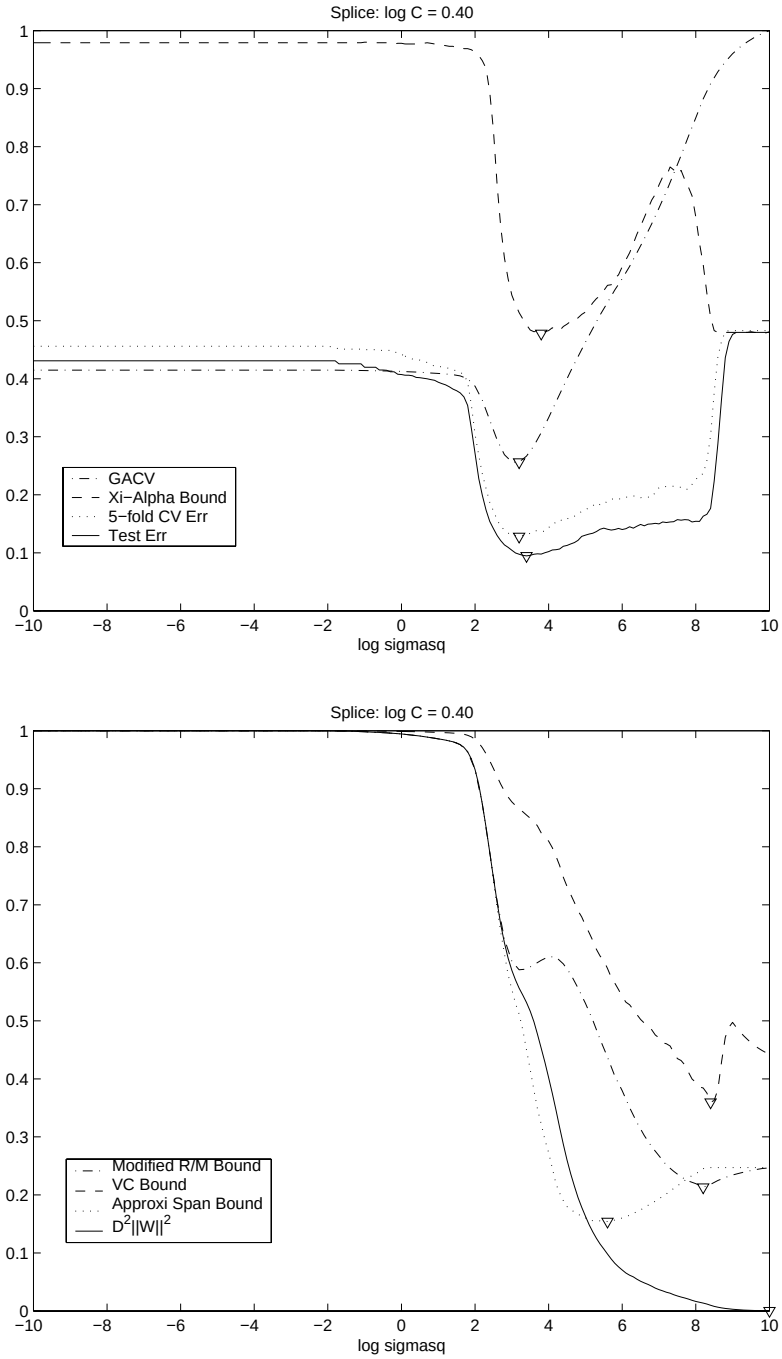

Figure 9: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and with respect to for fixed C value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

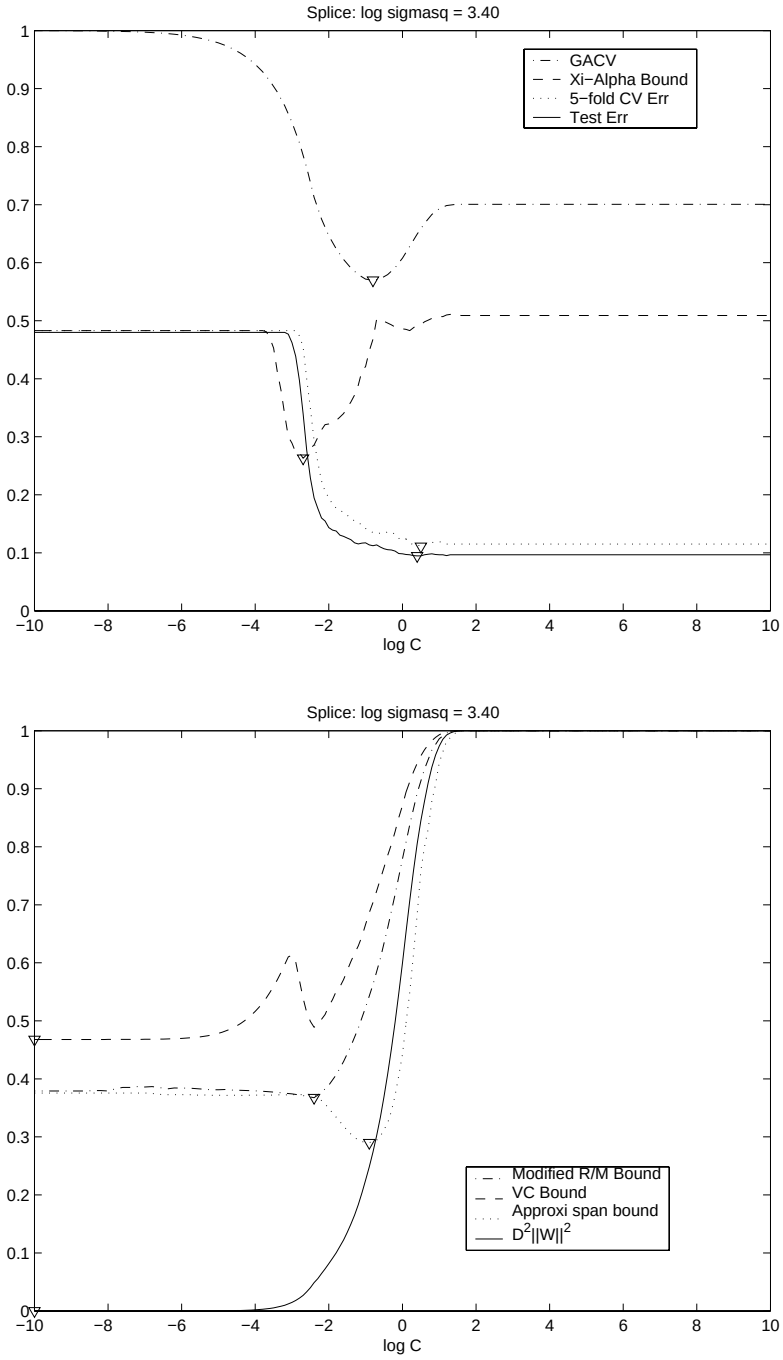

Figure 10: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and $D^2\|w\|^2$ with respect to C for fixed σ^2 value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

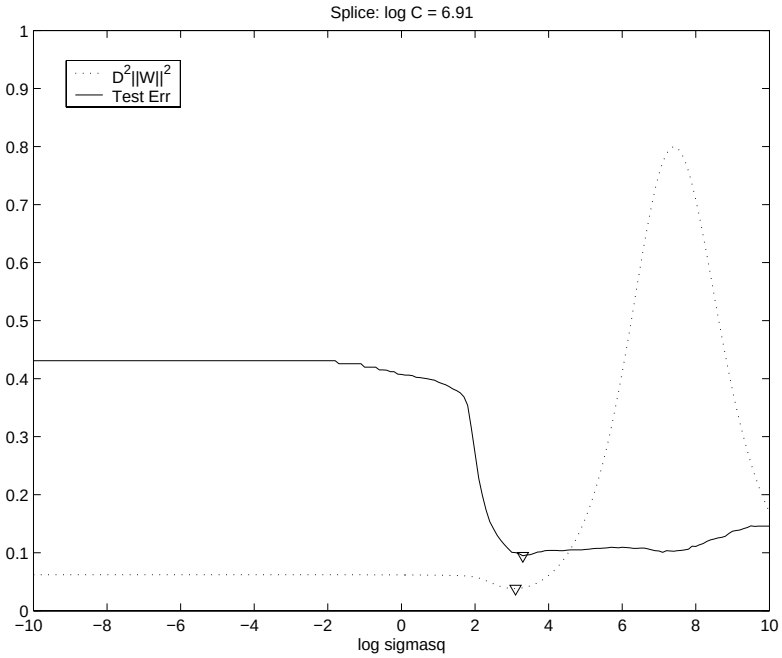

Figure 11: Variation of $D^2\|w\|^2$ and Test Err with respect to σ^2 for fixed C value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

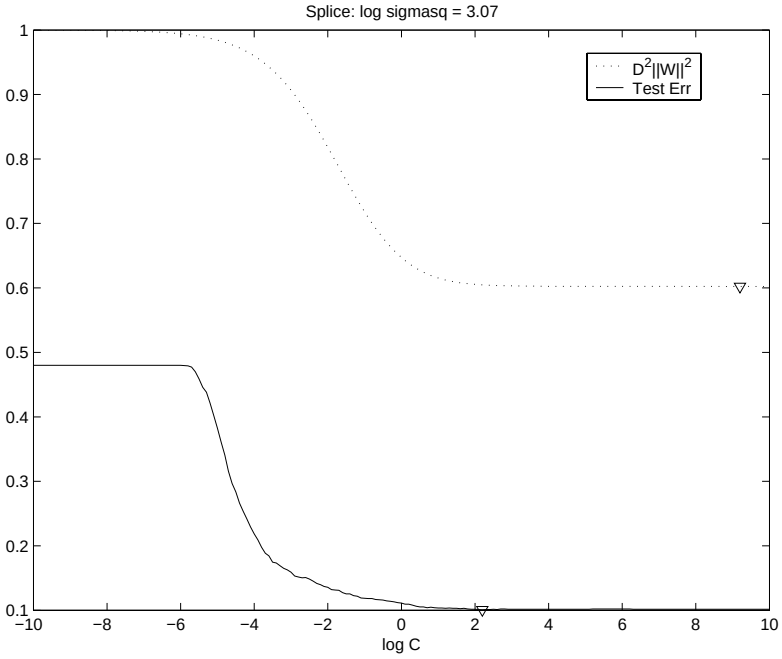

Figure 12: Variation of $D^2\|w\|^2$ and Test Err with respect to C for fixed σ^2 value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

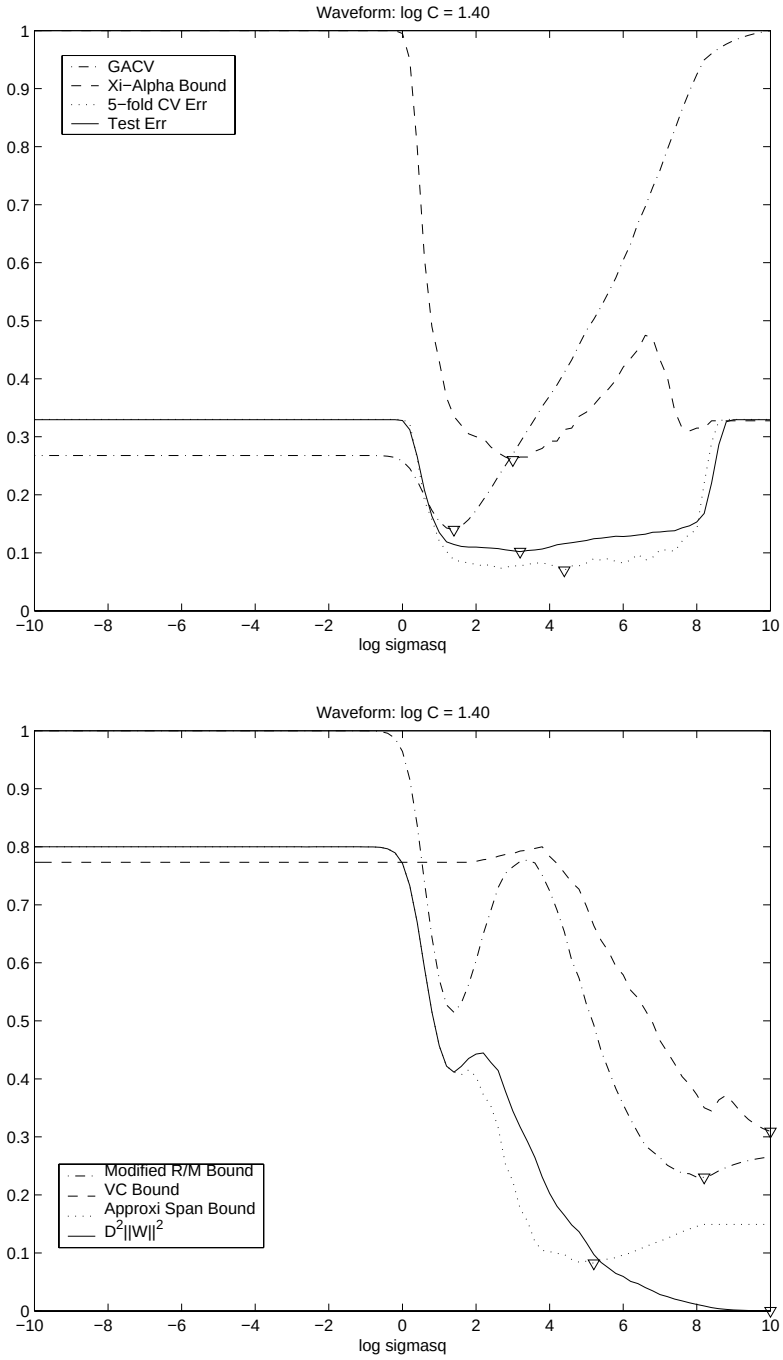

Figure 13: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and with respect to for fixed C value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

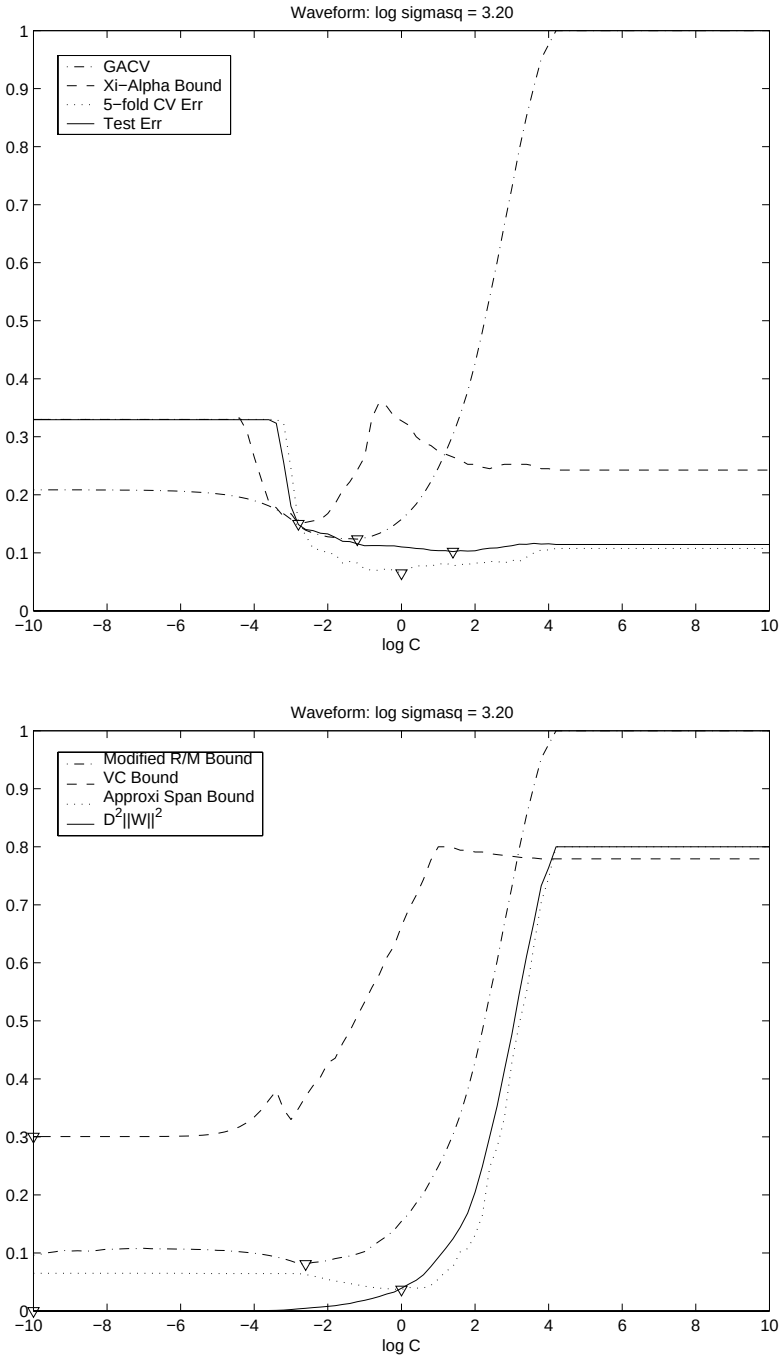

Figure 14: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and $D^2\|w\|^2$ with respect to C for fixed σ^2 value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

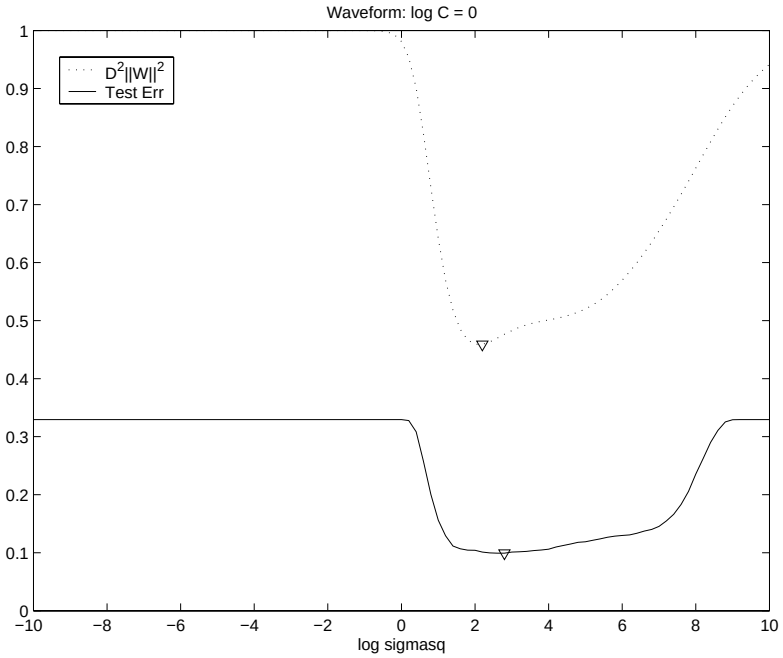

Figure 15: Variation of $D^2\|w\|^2$ and Test Err with respect to σ^2 for fixed C value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

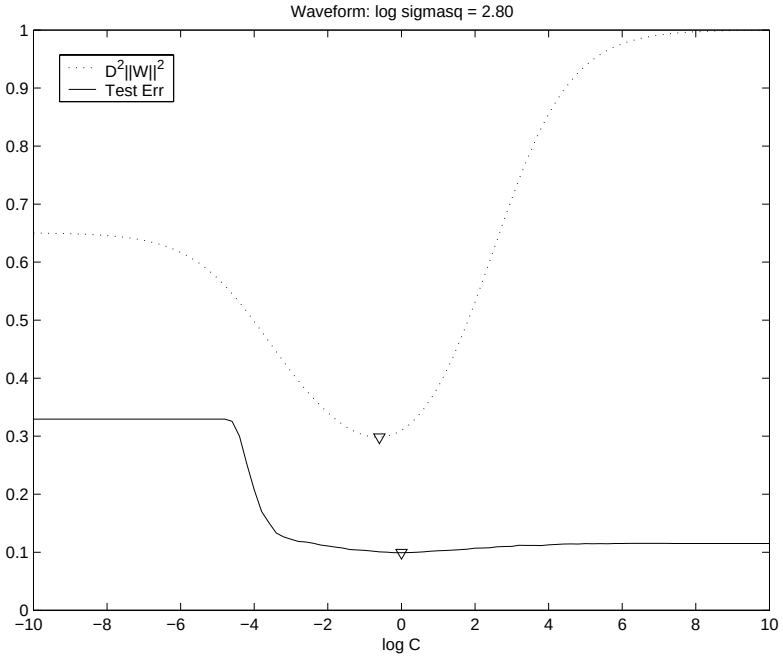

Figure 16: Variation of $D^2\|w\|^2$ and Test Err with respect to C for fixed σ^2 value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

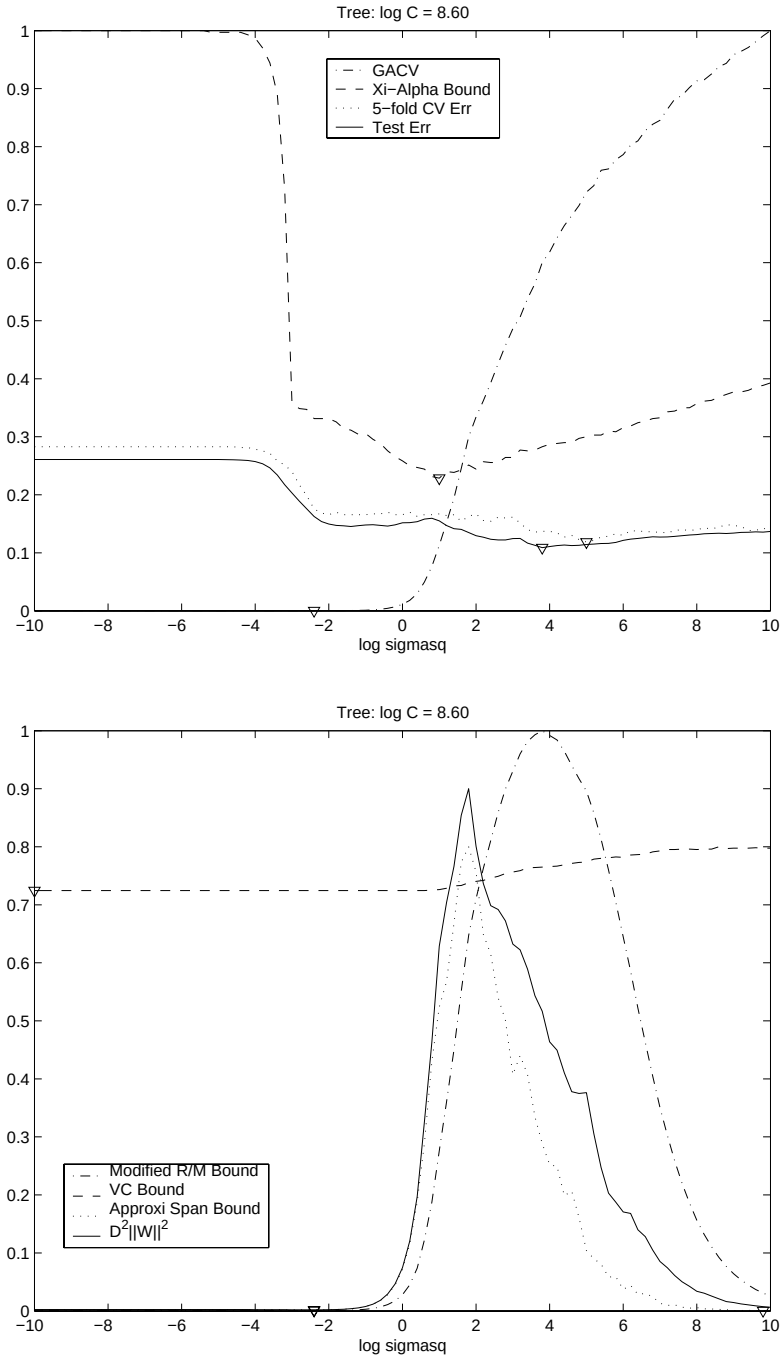

Figure 17: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and with respect to for fixed C value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

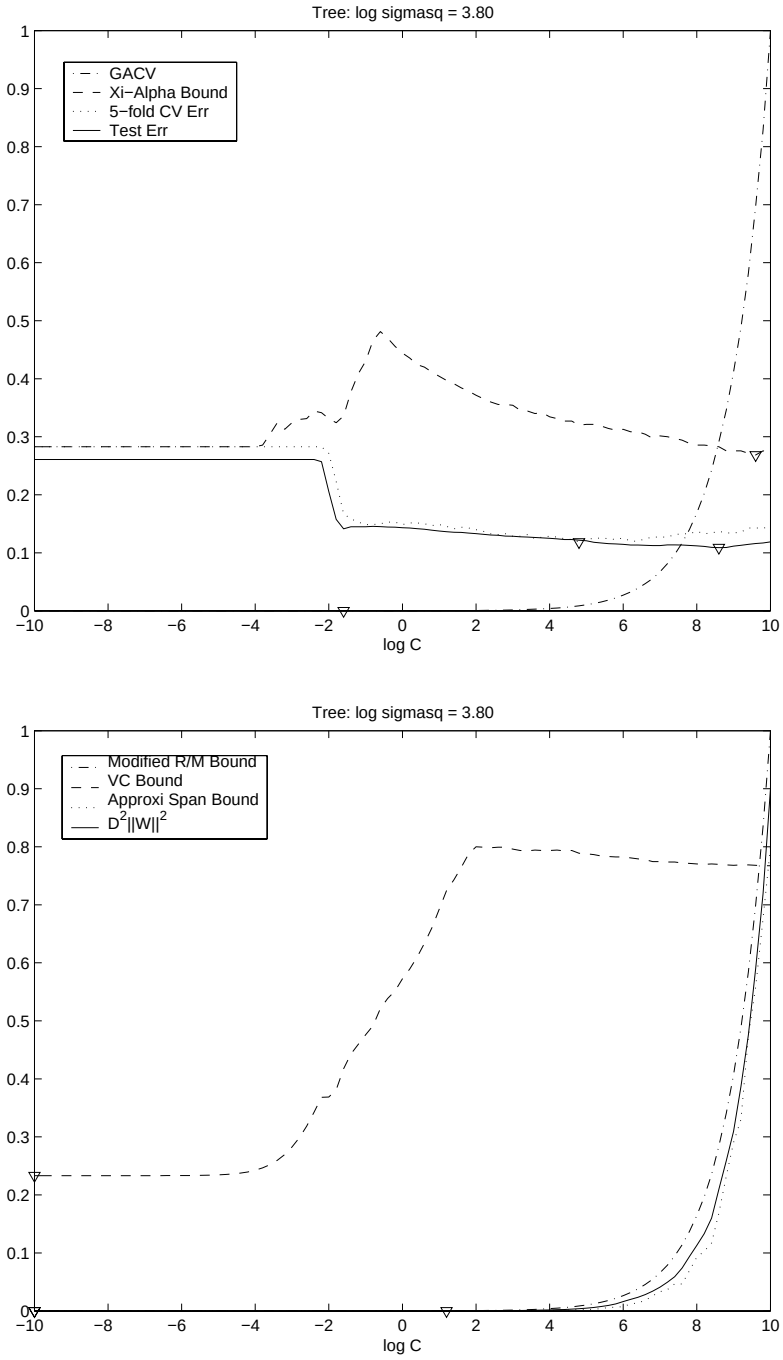

Figure 18: Variation of GACV, Xi-Alpha Bound, 5-fold CV Err, Test Err, Modified Radius-Margin Bound, VC Bound, Approximate Span Bound, and $D^2\|w\|^2$ with respect to C for fixed σ^2 value, for SVM L1 soft-margin formulation. The vertical axis is normalized differently for GACV, VC Bound, Approximate Span Bound and . For each curve, ∇ denotes the minimum point.

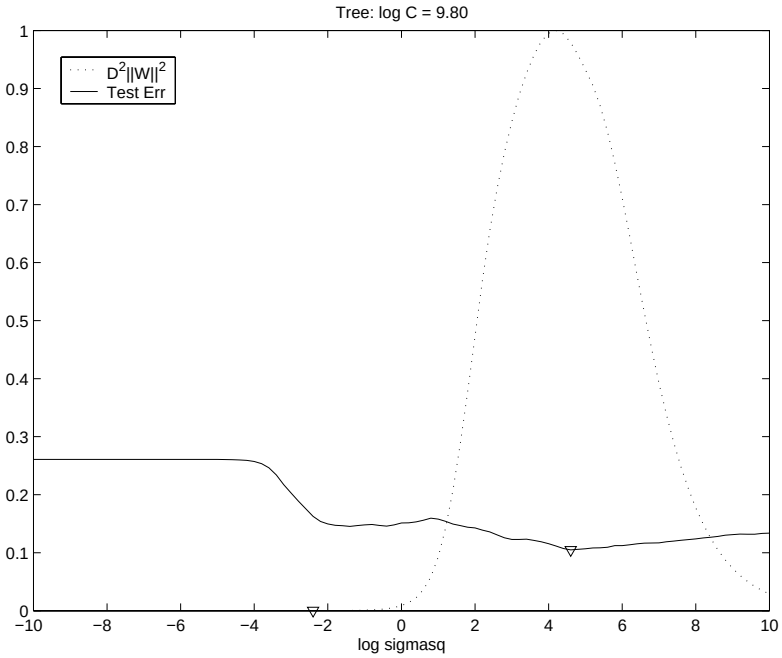

Figure 19: Variation of $D^2\|w\|^2$ and Test Err with respect to σ^2 for fixed C value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.

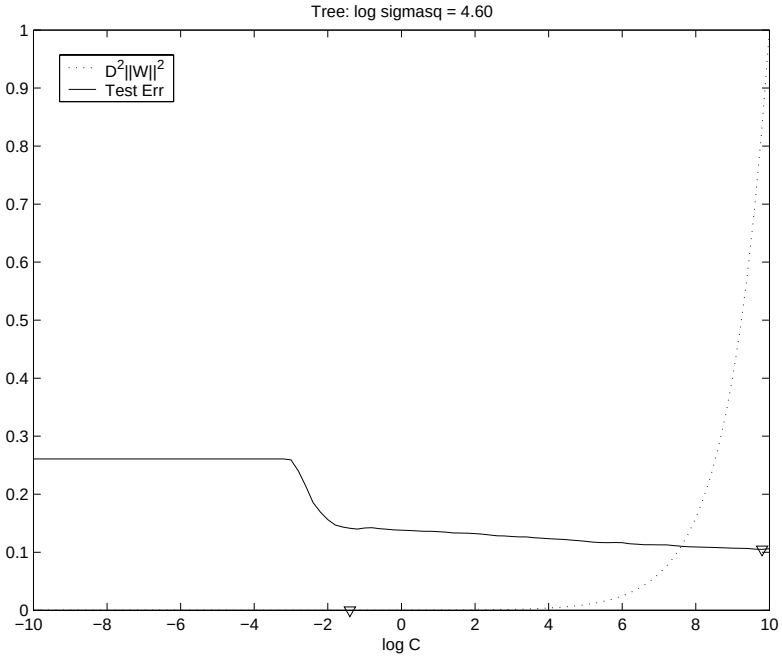

Figure 20: Variation of $D^2\|w\|^2$ and Test Err with respect to C for fixed σ^2 value, for SVM L2 soft-margin formulation. The vertical axis for is normalized. For each curve, ∇ denotes the minimum point.