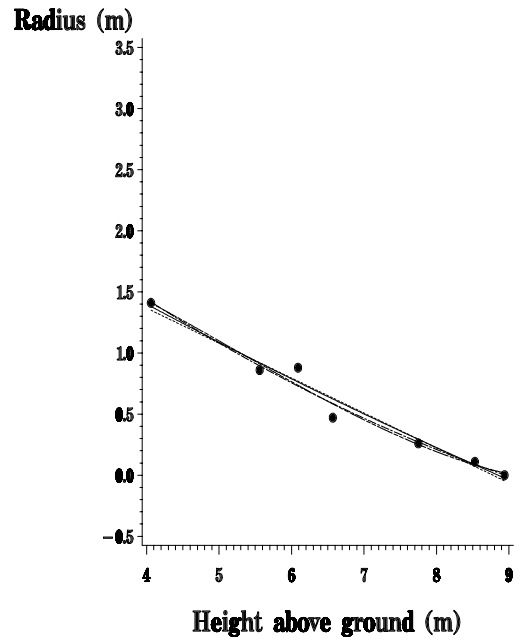
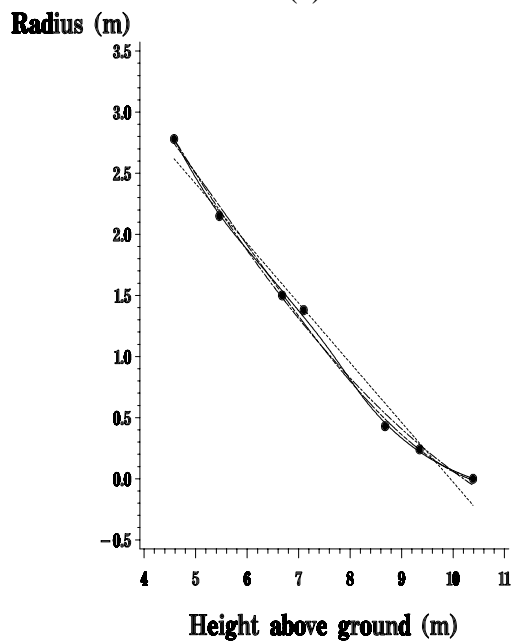


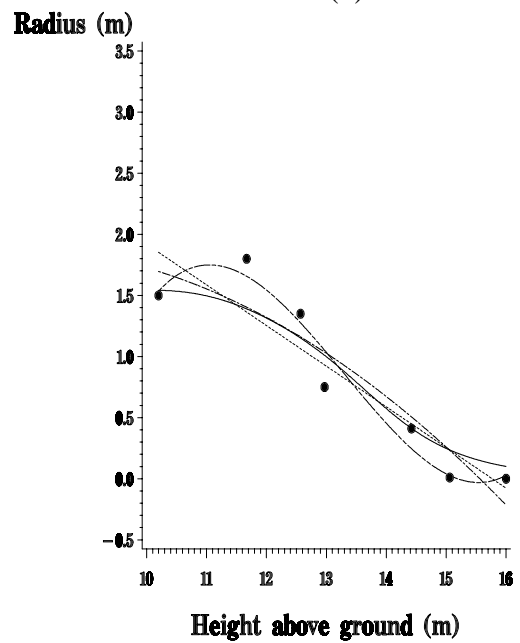
(a)



(b)



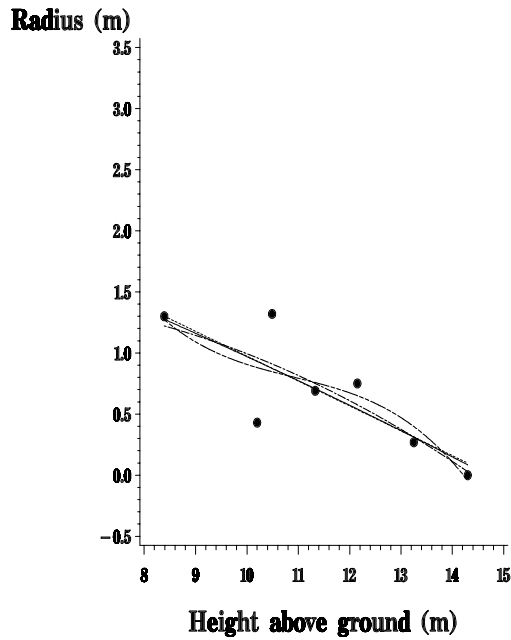
(c)



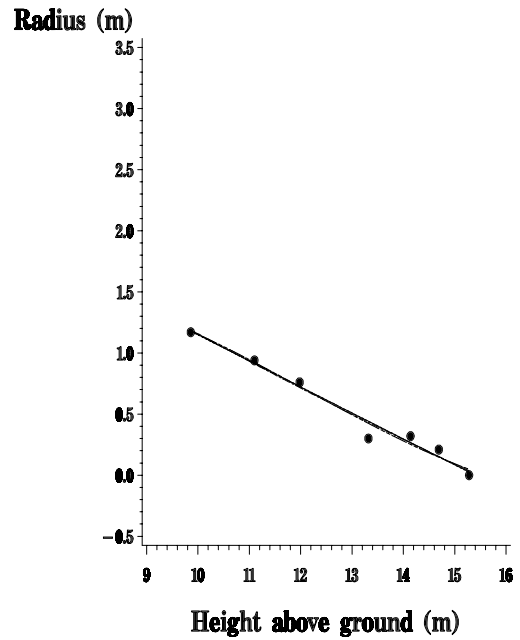
(d)

Nonparametric
 Simple Linear
 Quadratic
 Cubic

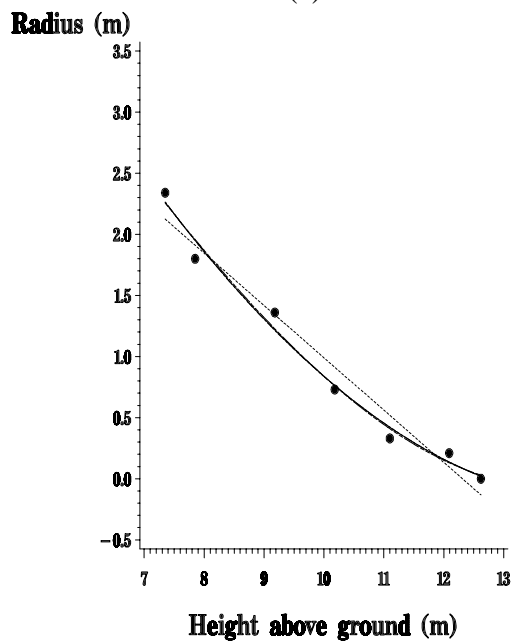
Figure 4.12. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 10101 (b) tree 10102 (c) tree 10103 (d) tree 10201.



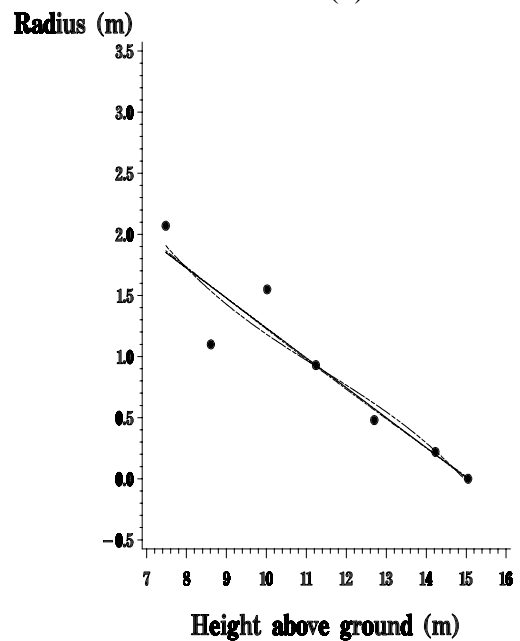
(a)



(b)



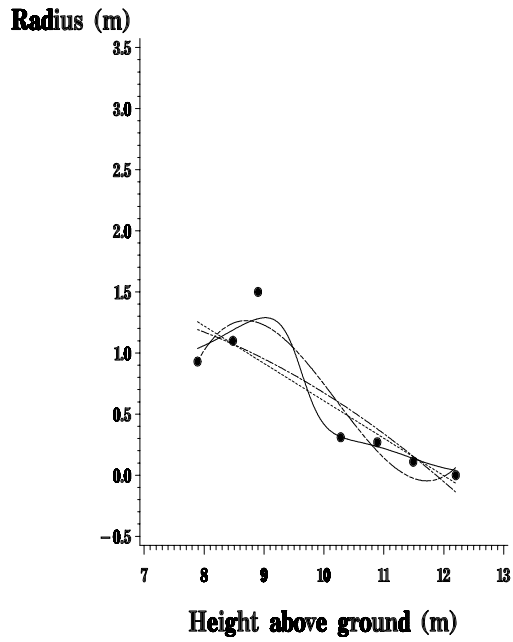
(c)



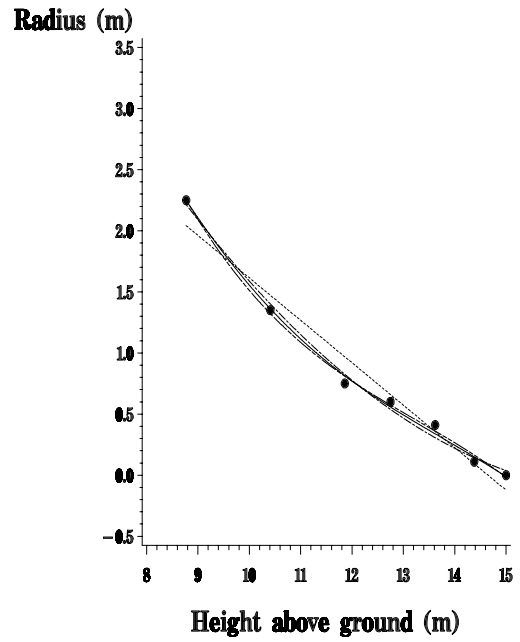
(d)

Nonparametric
 Simple Linear
 Quadratic
 Cubic

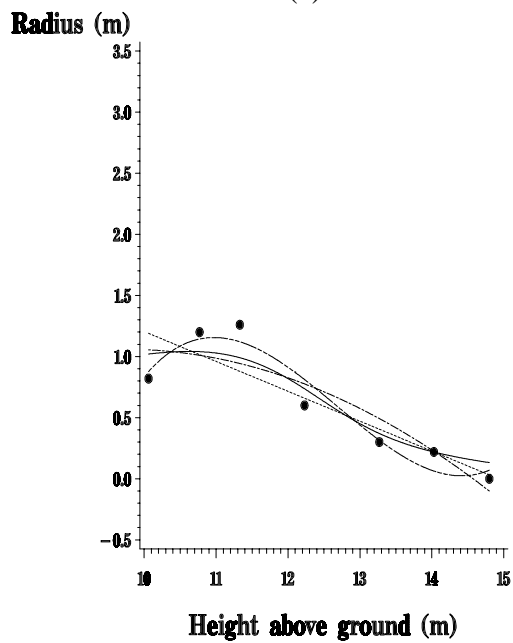
Figure 4.13. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 10301 (b) tree 10302 (c) tree 10303 (d) tree 10401.



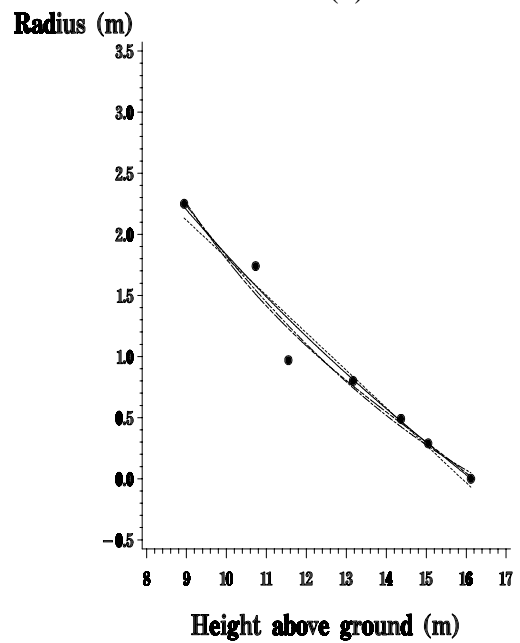
(a)



(b)



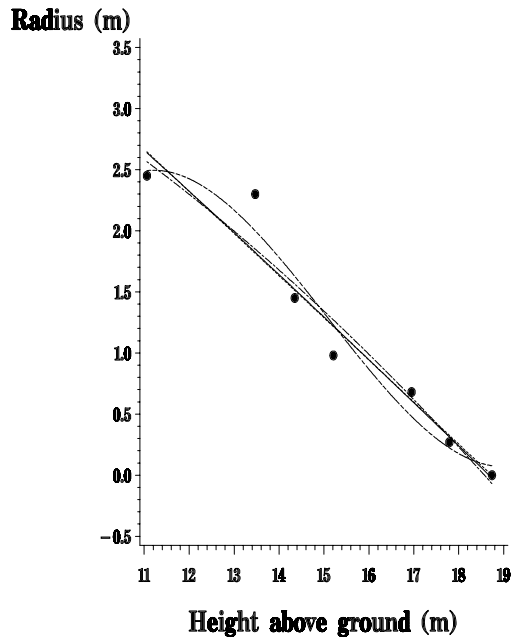
(c)



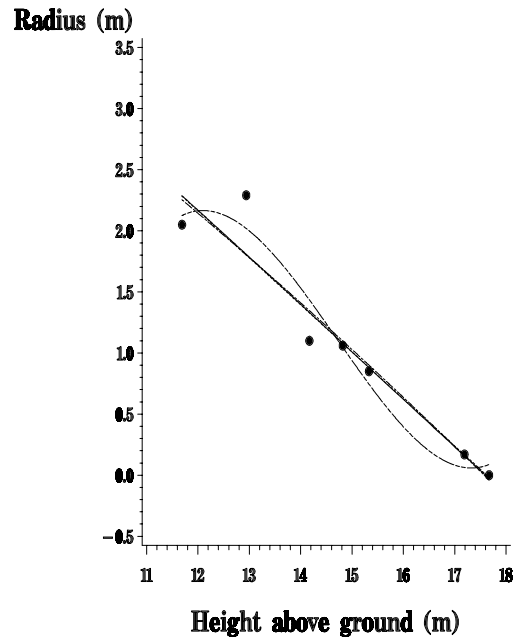
(d)

Nonparametric
 Simple Linear
 Quadratic
 Cubic

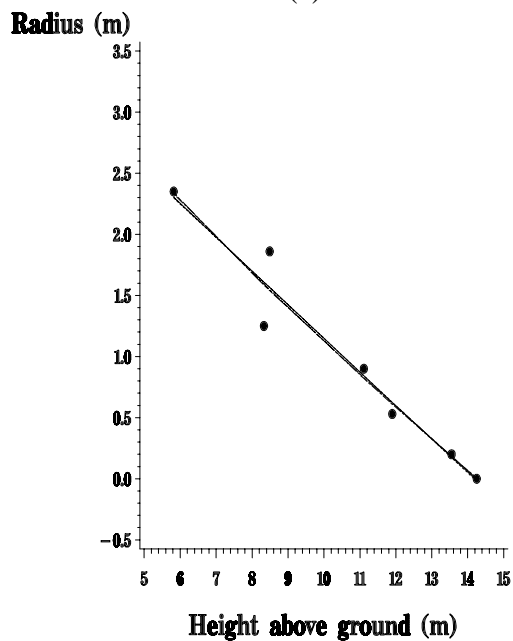
Figure 4.14. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 10501 (b) tree 10601 (c) tree 10701 (d) tree 10801.



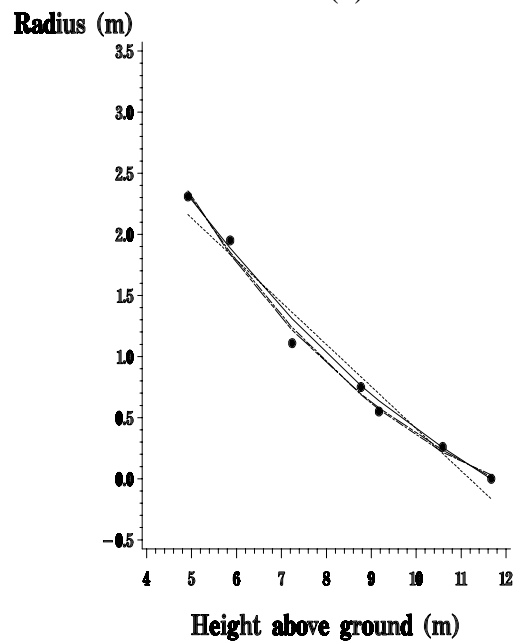
(a)



(b)



(c)



(d)

Nonparametric
 Simple Linear
 Quadratic
 Cubic

Figure 4.15. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 10901 (b) tree 10902 (c) tree 20101 (d) tree 20201.

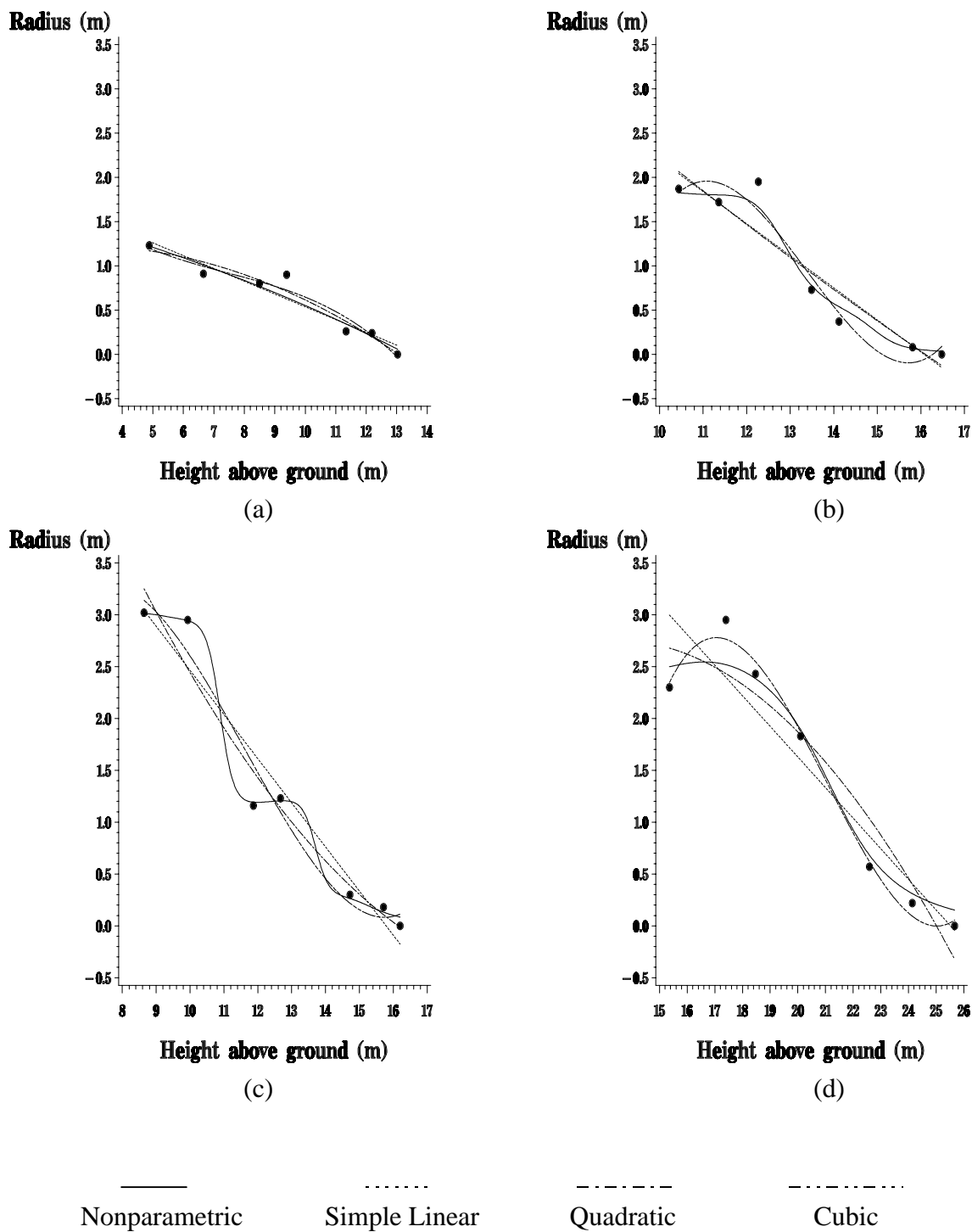


Figure 4.16. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 20301 (b) tree 20401 (c) tree 20501 (d) tree 20601.

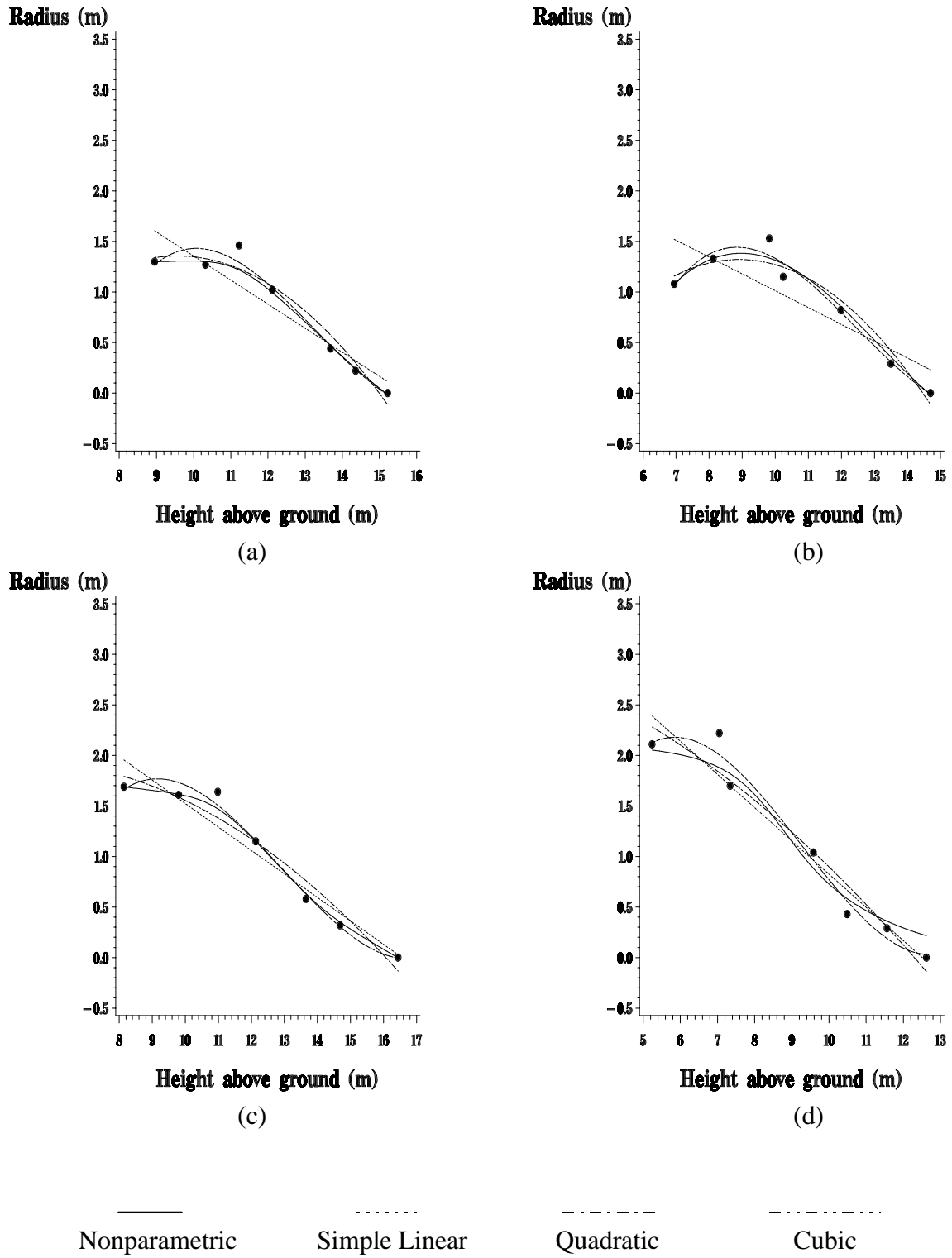


Figure 4.17. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 20701 (b) tree 20801 (c) tree 20901 (d) tree 30101.

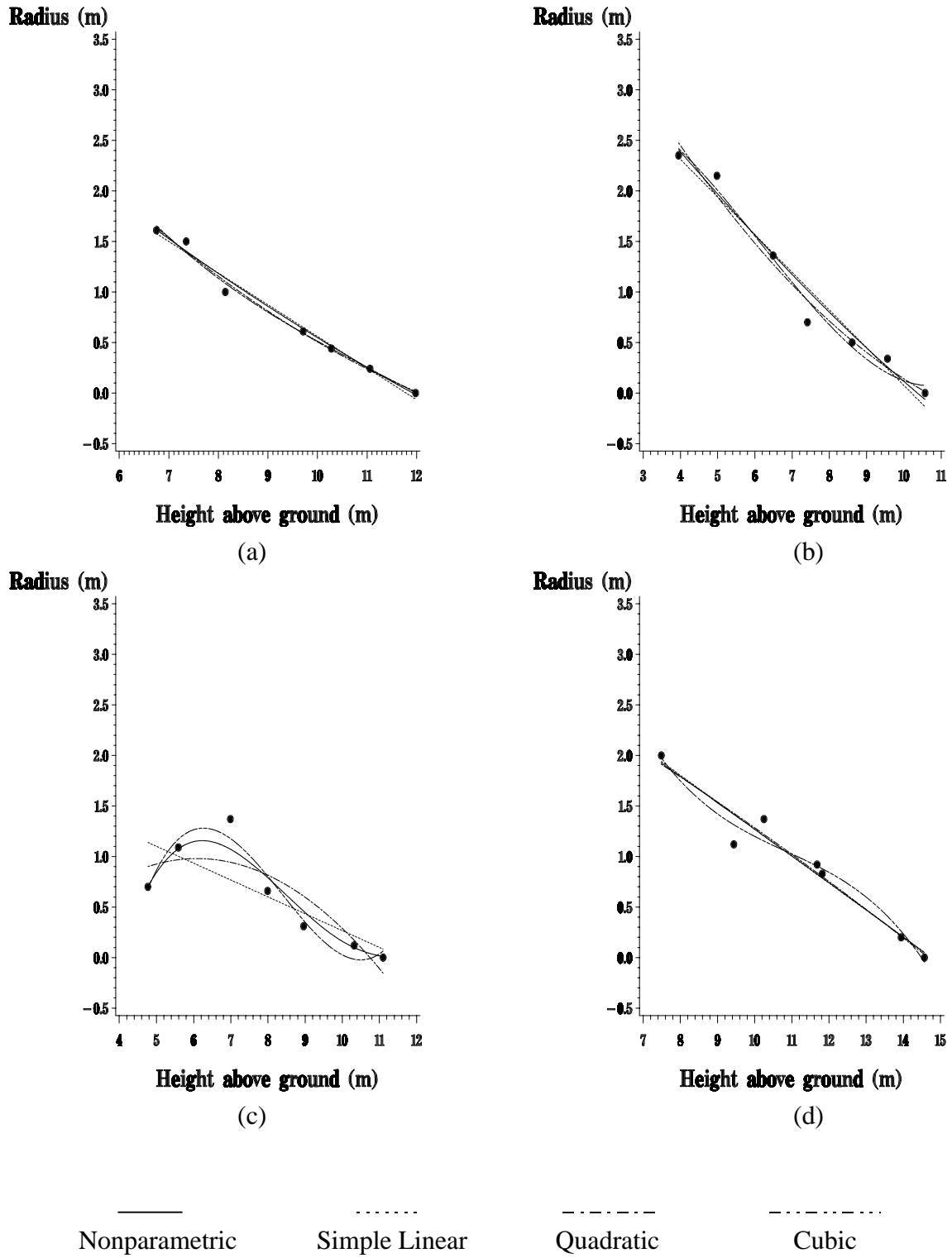


Figure 4.18. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 30201 (b) tree 30301 (c) tree 30401 (d) tree 30501.

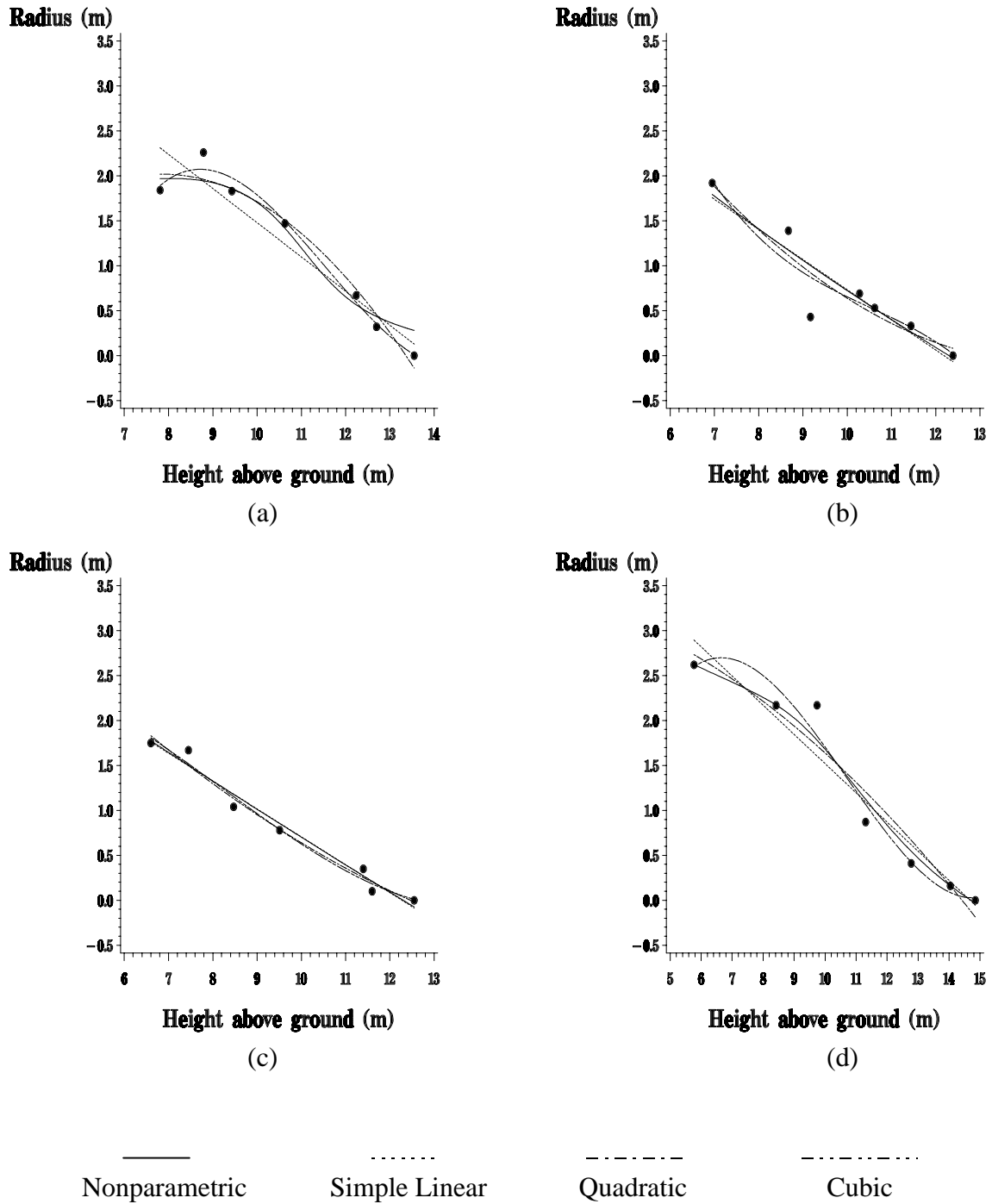
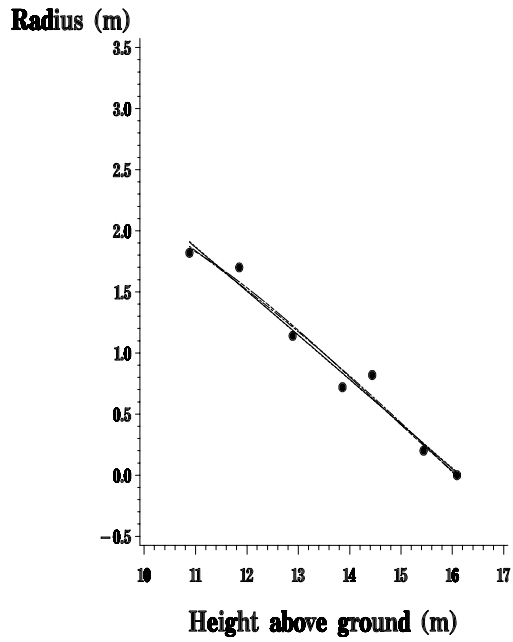
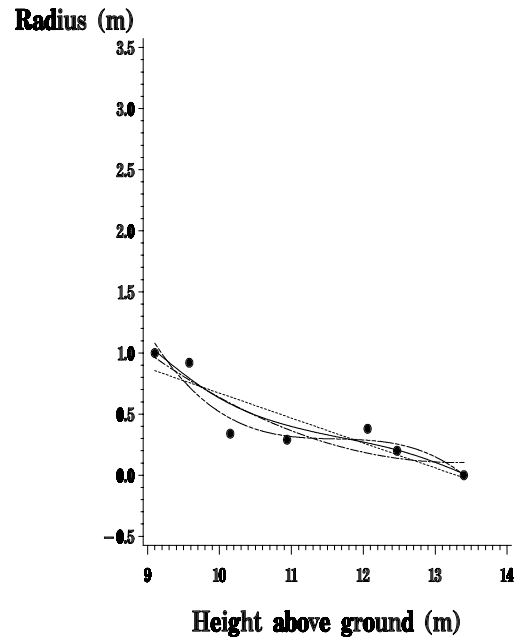


Figure 4.19. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 30601 (b) tree 30701 (c) tree 30801 (d) tree 30901.



(a)



(b)

—————
Nonparametric

.....
Simple Linear

Quadratic

.....
Cubic

Figure 4.20. Optimal (PRESS* criterion) nonparametric regression fits compared to simple linear regression, and multiple linear regressions (quadratic and cubic) for four trees: (a) tree 31001 (b) tree 31101.

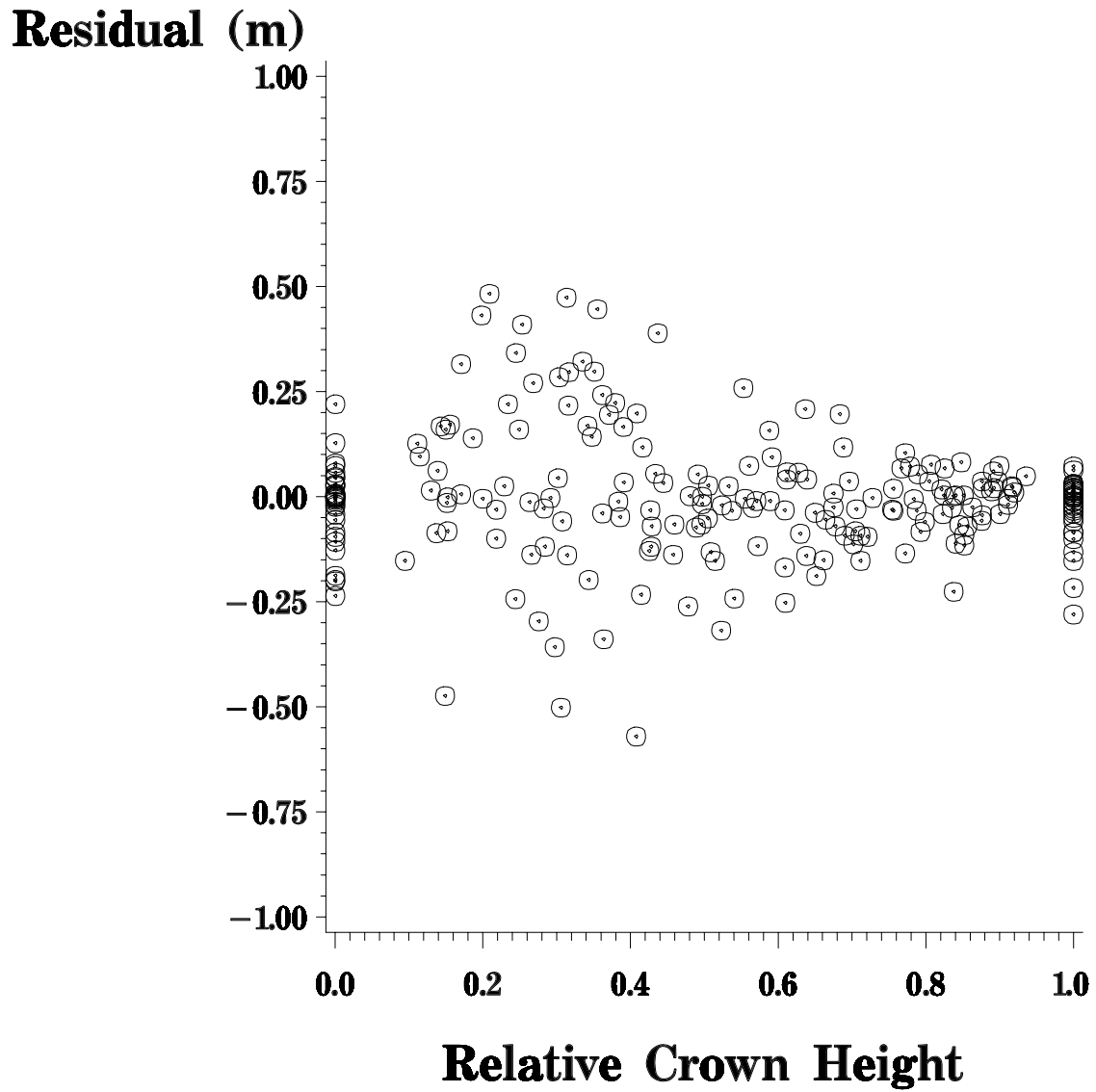


Figure 4.21. Optimal (PRESS* criterion) nonparametric regression residuals versus relative crown height for all trees.

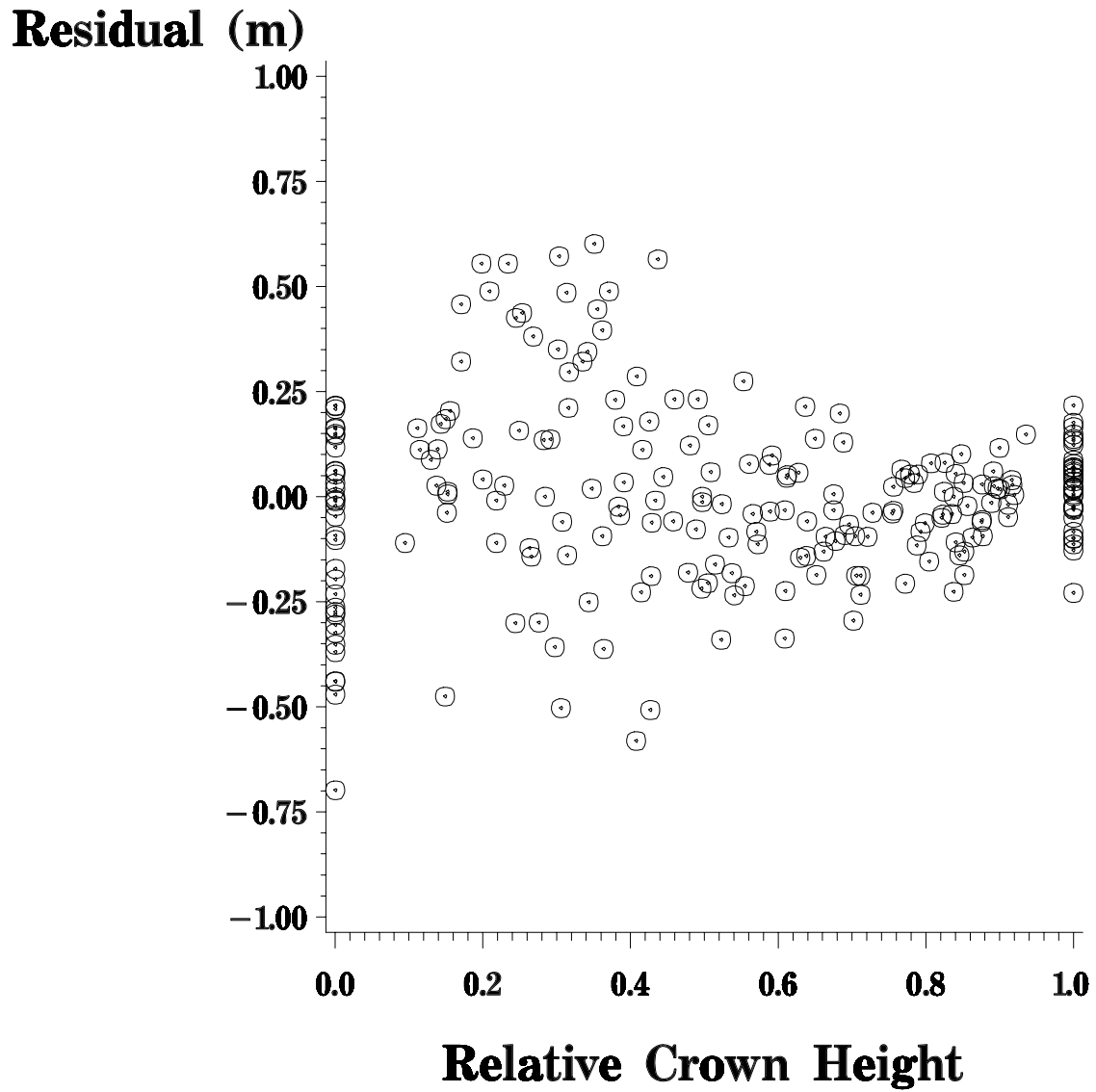


Figure 4.22. Simple linear regression residuals versus relative crown height for all trees.

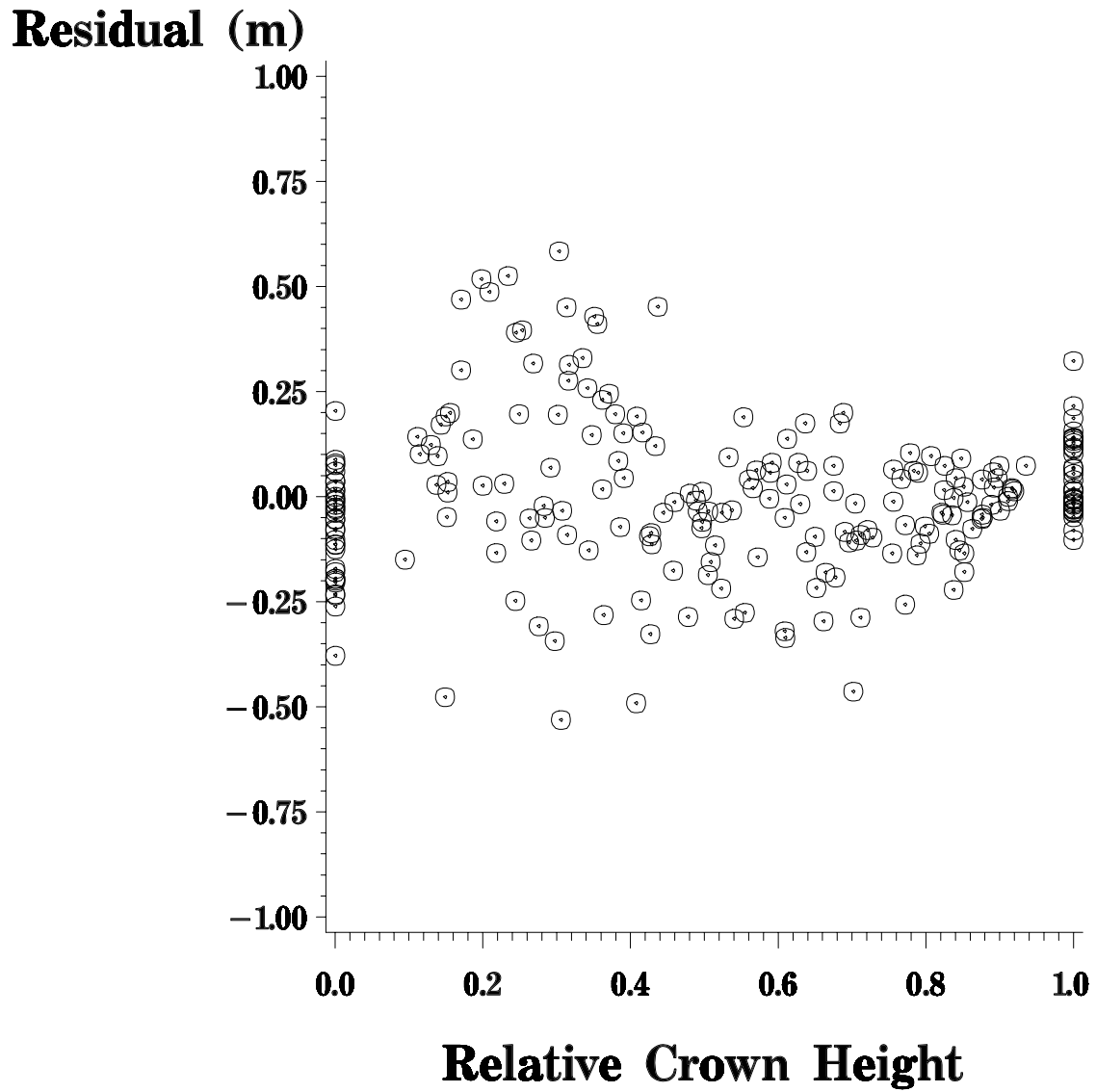


Figure 4.23. Multiple linear (quadratic) regression residuals versus relative crown height for all trees.

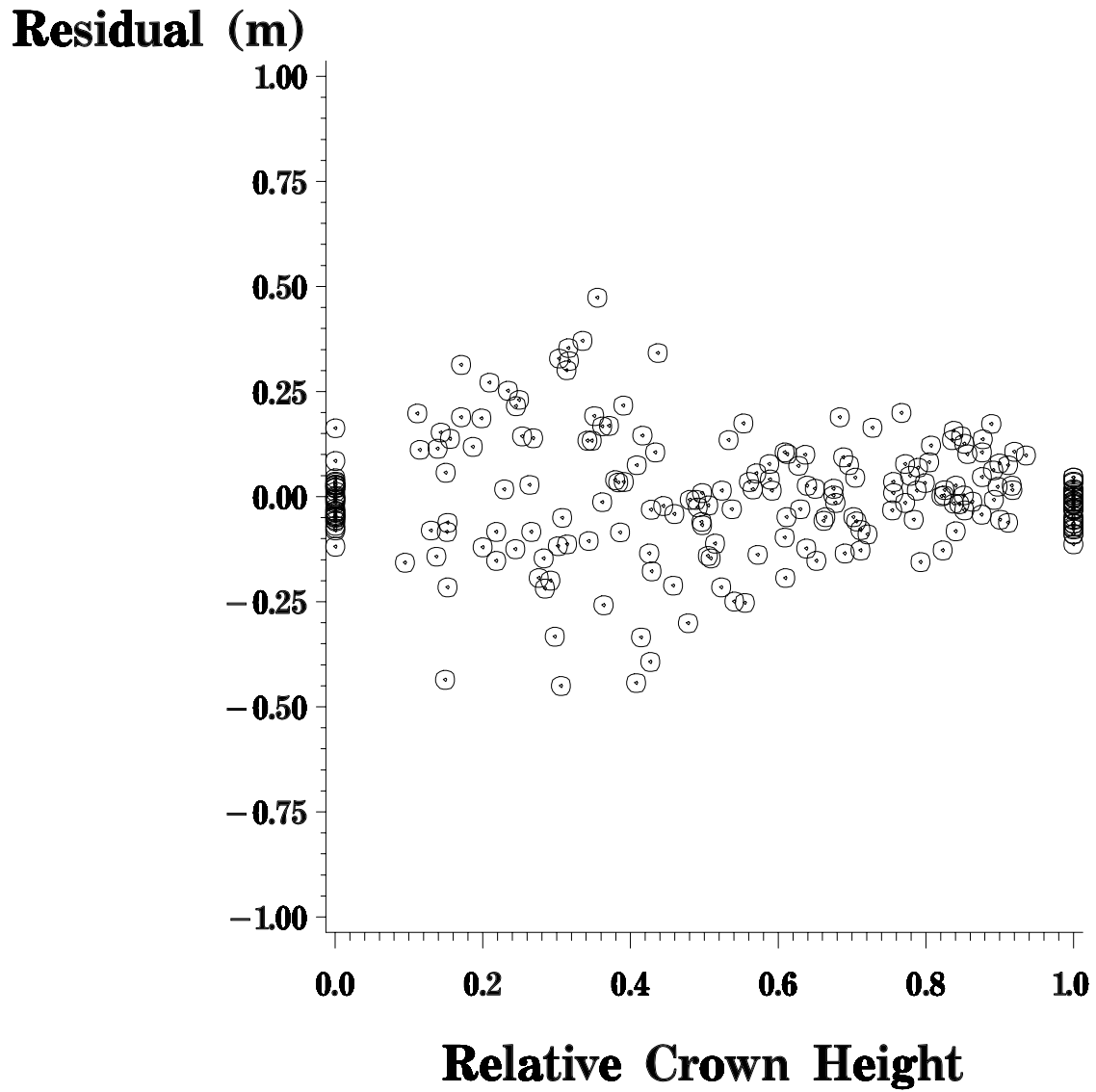


Figure 4.24. Multiple linear (cubic) regression residuals versus relative crown height for all trees.