



Figure VIII.15: A degree three, rational B-spline curve. The control points are the same as in figure VIII.1 on page 201, but now the control point  $\mathbf{p}_3$  is weighted only  $1/3$ , and the two control points  $\mathbf{p}_5$  and  $\mathbf{p}_6$  are weighted  $3$ . All other control points have weight  $1$ . In comparison with the curve of figure VIII.1(b), this curve more closely approaches  $\mathbf{p}_5$  and  $\mathbf{p}_6$ , but does not approach  $\mathbf{p}_3$  as closely.