Figure VII.16: A degree three, rational Bézier curve. The control points are the same as in the left-hand side of figure VII.2 on page 156, but now the control point $\mathbf{p}_1$ is weighted 3, and the control point $\mathbf{p}_2$ is weighted only $1/3$. The other two control points have weight 1. In comparison with the curve of figure VII.2, this curve more closely approaches $\mathbf{p}_1$, but does not approach $\mathbf{p}_2$ nearly as closely.