$\mathbf{r}(t_{n-2})$ $\mathbf{r}(t_{n-1})$

$\Delta\mathbf{r}_i = \mathbf{r}(t_i) - \mathbf{r}(t_{i-1})$

$Q = \mathbf{r}(t_n)$

$\mathbf{r}(t_2)$

$\mathbf{r}(t_1)$

$P = \mathbf{r}(t_0)$