

Increment by
decision
along this
axis

This curve has
gentle slope w.r.t.
principal axis
(slope < 1)

$\begin{pmatrix} x_t \\ y_t \end{pmatrix} \equiv p_t$: point chosen at
iteration t , to be
closest to the
curve.

The principal axis
of increment

$\begin{pmatrix} x_{t+1} \\ y_{t+1} \end{pmatrix}$

$\begin{pmatrix} x_{t+1} \\ y_{t+\frac{1}{2}} \end{pmatrix}$

$\begin{pmatrix} x_{t+1} \\ y_t \end{pmatrix}$