

until finished {

$$\begin{pmatrix} x \\ x' \end{pmatrix} = \begin{pmatrix} \cos(2\pi Q) & \sin(2\pi Q) \\ -\sin(2\pi Q) & \cos(2\pi Q) \end{pmatrix} \begin{pmatrix} x \\ x' \end{pmatrix} + \begin{pmatrix} 0 \\ z^2 \end{pmatrix}$$

}