

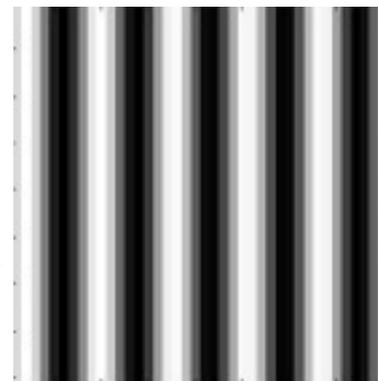
Initialization with  
Fourier transform

## 1) Spatial fringe fit

For  $t = 1:Nframes$ , fit:

$$\left\{ \begin{array}{l} B(t) \ A(t) \\ \phi(t) \end{array} \right\} \quad \left\{ \begin{array}{l} K_x(t) \ K_y(t) \\ \text{(iter 1 only)} \end{array} \right\}$$

Frame #  $t$



Iteration 1: non linear  
least squares

Iteration 2..N: linear least  
squares, pixel positions  
are projected on the  
metrology wavevector

## 2) Temporal sinewave fit

For  $(i,j) = 1:Npix$ , fit:

$$\left\{ \begin{array}{l} \iota(i,j) \ \alpha(i,j) \ \phi(i,j) \end{array} \right\}$$

Linear least squares

pixel( $i,j$ )

