

**What is a Kernel-
phase?**
(abbreviated)

Non-redundant array

Observed phase ϕ , true phase ϕ_0 , phase error φ

$$\phi^{BC} = \phi_0^{BC} + (\varphi^B - \varphi^C) \quad \phi^{AC} = \phi_0^{AC} + (\varphi^A - \varphi^C) \quad \phi^{BA} = \phi_0^{BA} + (\varphi^B - \varphi^A)$$

Matrix A encodes the baselines.

$$\Phi = \Phi_0 + A \bullet \varphi$$

$$A = \begin{array}{|c|c|c|} \hline 0 & 1 & -1 \\ \hline 1 & 0 & -1 \\ \hline -1 & 1 & 0 \\ \hline \end{array}$$

non-redundant
triangular array

