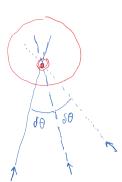
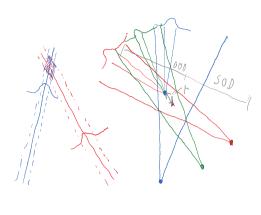
turday, July 2, 2022 5:51 PM

Jord like in Johno Pil for Flow Enhangement of Tomographic Particle Image Velocimetry Measurements Using Sequential Data Assimilation



from projection(s)







magnifications

$$\mathcal{G} = \frac{SOD + OD}{SOD}$$

$$\mathcal{J}_{i} = 000$$

$$\mathcal{J}_{i} = \frac{500 + 000}{500}$$

$$\mathcal{J}_{i} = \frac{500 + 900}{500}$$

$$\mathcal{J}_{i} = \frac{500 + 900}{500}$$

$$\mathcal{J}_{i} = \frac{500 + 000}{500 + 90k}$$

$$\mathcal{J}_{i} = \frac{500 + 000}{500 + 90k}$$

$$\mathcal{J}_{i} = \frac{500 + 900}{500 + 90k}$$

Similarly after SO turn, but now Jelly myo of So, rull point at & k, OtSO ktl etc.

$$X_{c,k+l} = X_{o,k+l} M_{p,k+l}$$

Next lets relate
$$\vec{X}_{0,k}$$
 to $\vec{X}_{0,k+1}$ ofter a SG form

$$\begin{array}{c} \chi_{c,k+1} = \chi_{o,k+1} M_{p,k+1} & \text{Next lets relate } \tilde{\chi}_{o,k} \neq \tilde{\chi}_{o,k+1} \text{ at } e \neq 0 \\ \text{Coordinate system} & \text{Coordinate system} \\ \text{If particle stationary} & \tilde{\chi}_{k+1} = \tilde{\chi}_{k}^{(1)} \text{ and } \tilde{\chi}_{k} = \frac{f_{int}}{f_{interplane}} & \tilde{\chi}_{o,k}^{(2)} = \frac{\chi_{o,k+1}}{\chi_{o,k+1}} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} e^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} e^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} e^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} e^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} e^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^{-ik} de^{-ik} de^{-ik} de^{-ik} \\ \text{Coordinate system} & \tilde{\chi}_{o,k+1} = \chi_{o,k+1}^{(1)} \int_{e^{-ik}} \chi_{o,k+1}^{(1)} de^{-ik} de^$$

 $\frac{|f|}{|f|} \text{ partials in not states may, then} \\
\frac{\chi(1)}{|f|} = \frac{\chi(1)}{|f|} \frac{\chi(1)}{|f|} \frac{\chi(1)}{|f|} = \frac{\chi(1)}{|f|} =$

In stationary cost take average of $\frac{1}{N_k} \sum_{k=1}^{N_k} \frac{1}{N_k} \sum_{k=1}$

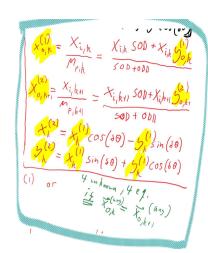
some norm to be more orther tolerant of or then It took mean the less neight

· remove offices and take new mean

what about when motion (assumed stedy), when $\vec{x}_{k+1} = \vec{x}_k + \vec{V}_k$, then beg. & 6 in known of



$$\frac{10^{10}}{M_{1}} = \frac{\chi_{i,k} SOD + \chi_{i,k} SOD}{(2)} + \chi_{i,k} SOD + \chi_{i,k+1} SOD = (1)$$



$$\frac{\chi_{0,kt_{1}}^{(2)}\left(sob+obb\right)-\chi_{i,kt_{1}}^{(1)}sob}{\chi_{i,kt_{1}}} = \int_{0,kt_{1}}^{(2)} = \chi_{kt_{1}}^{(1)}sin(b)t \int_{kt_{1}}^{(1)}cos(\delta 0)$$

Could try to match all particles & accept those in I small error, but can use fact 50 small to advantage [Many rating limits for object in

Magnification limit t for object in domain with radius
$$R$$
 $\frac{SOD + ODD}{SOD + R} \leq M \leq \frac{SOD + ODD}{SOD - R}$

and max $X_{c_1k} - X_{c_2k+1} = M$ dp

1. ℓ : old Search radius