

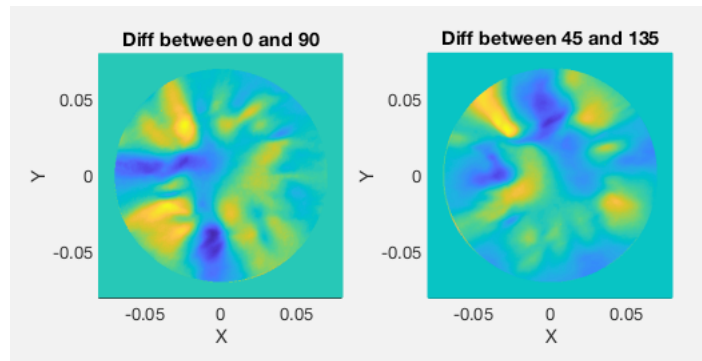
Deriving the loss map for S-pol

Note

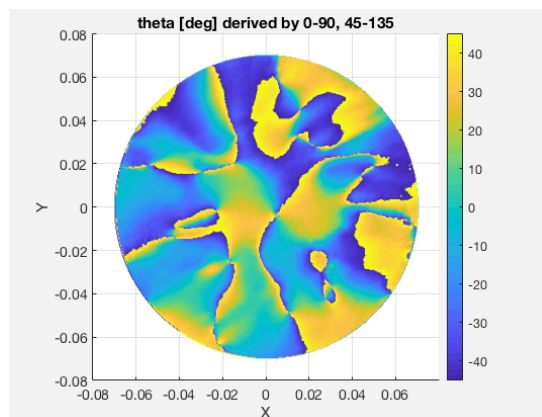
- Calculation is based on Aso & Enomoto, JGW-
- Mirror maps were provided by Caltech

A. Using maps at 0, 90, 45, 135 degree rotations

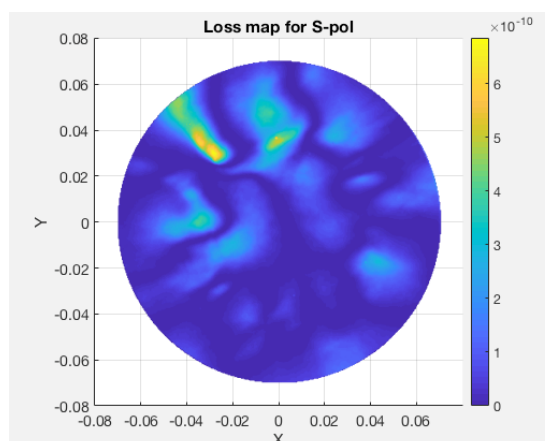
1. $a(0)$ map (left) and $a(\pi/4)$ map (right) in Aso-san's calculation



2. Theta (angle between e' axis and S-pol axis, see, Aso-san's calculation) map

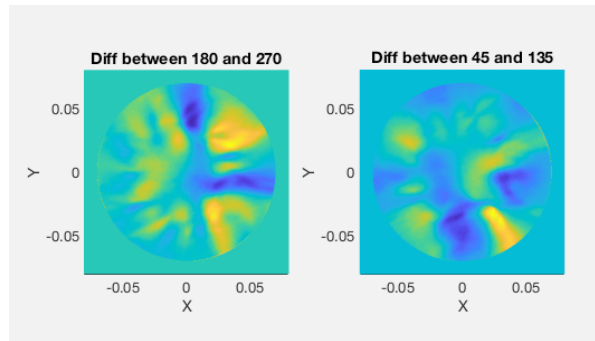


3. Loss map in S-pol (see, Enomoto-san's calculation)

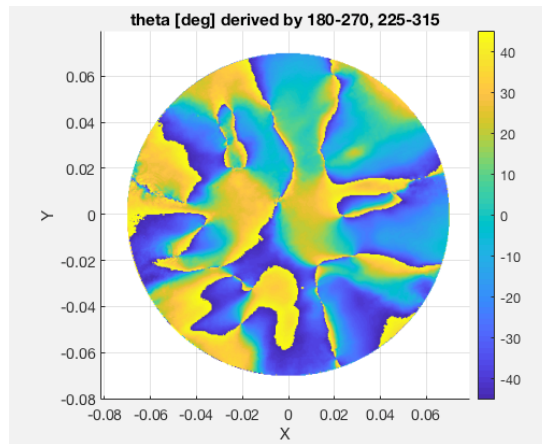


B. Using maps at 180, 270, 225, 315 degree rotations

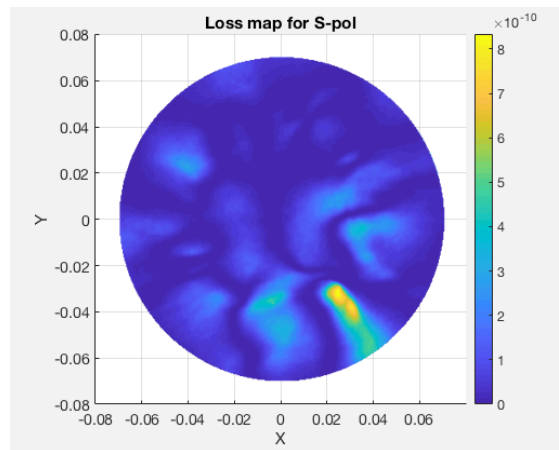
1. a(180) map (left) and a(5*pi/4) map (right) in Aso-san's calculation



2. Theta map



3. Loss map in S-pol



C. Comment

A.2 and A.3 agree with B2 and B3, respectively, with a 180 degree rotation. It makes sense. Loss maps are calculated correctly by Aso-Enomoto formulae.