

OA vlhkosti

- Vlhkost
 - velká variabilita
 - nepřesnost, nereprezentativnost měření
 - nepřesné předběžné pole
 - speciální data: družice, radar
 - forma vlhkosti (?)
- Vertikální souřadnice p , z , σ
 - Relativní vlhkost
 - Deficit teploty rosného bodu
- Vertikální souřadnice θ (potenciální teplota)
 - tlak nasycení

- Metody OA

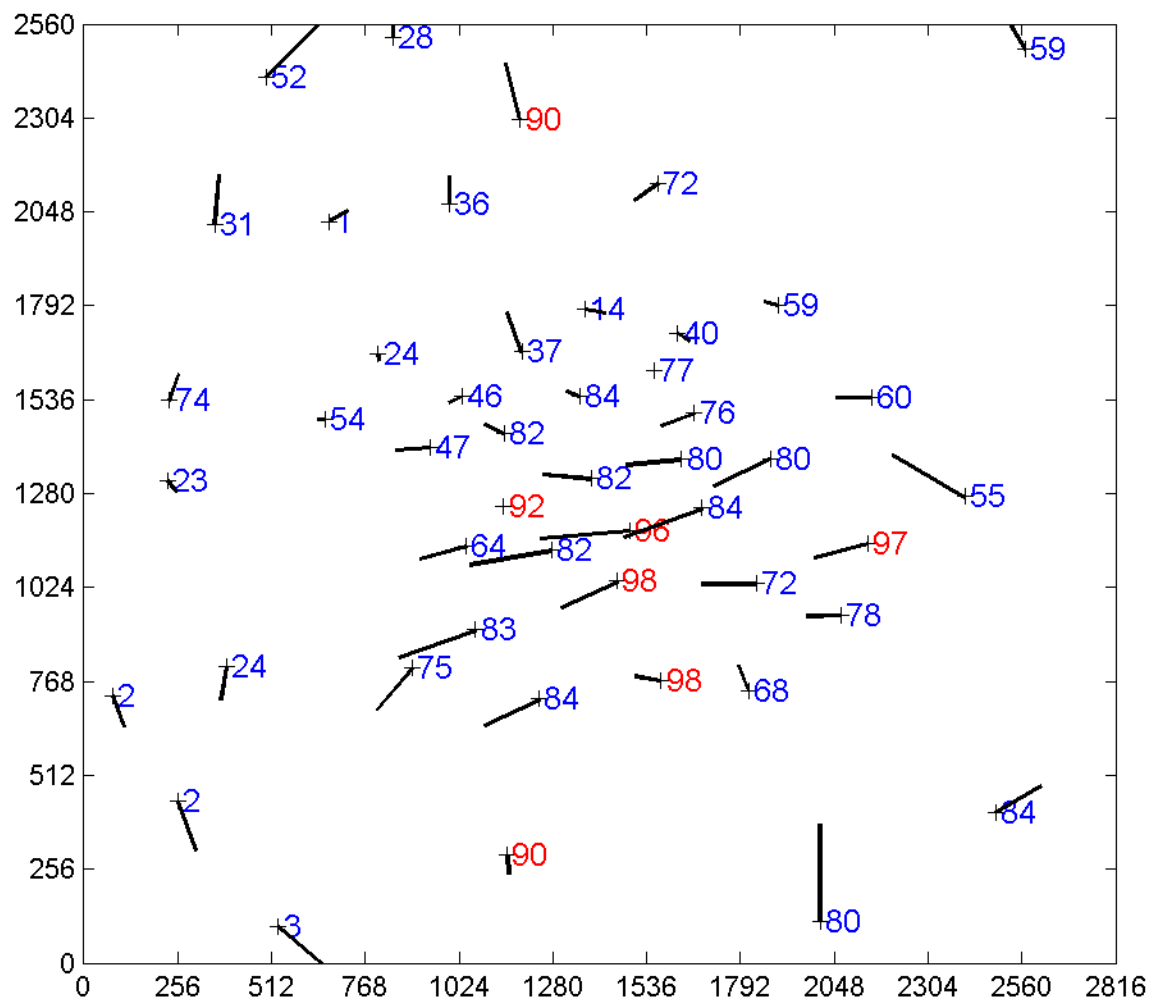
- korekční metoda

- korekční metoda s transformací $RH^* = \text{sqrt} (1 - RH)$

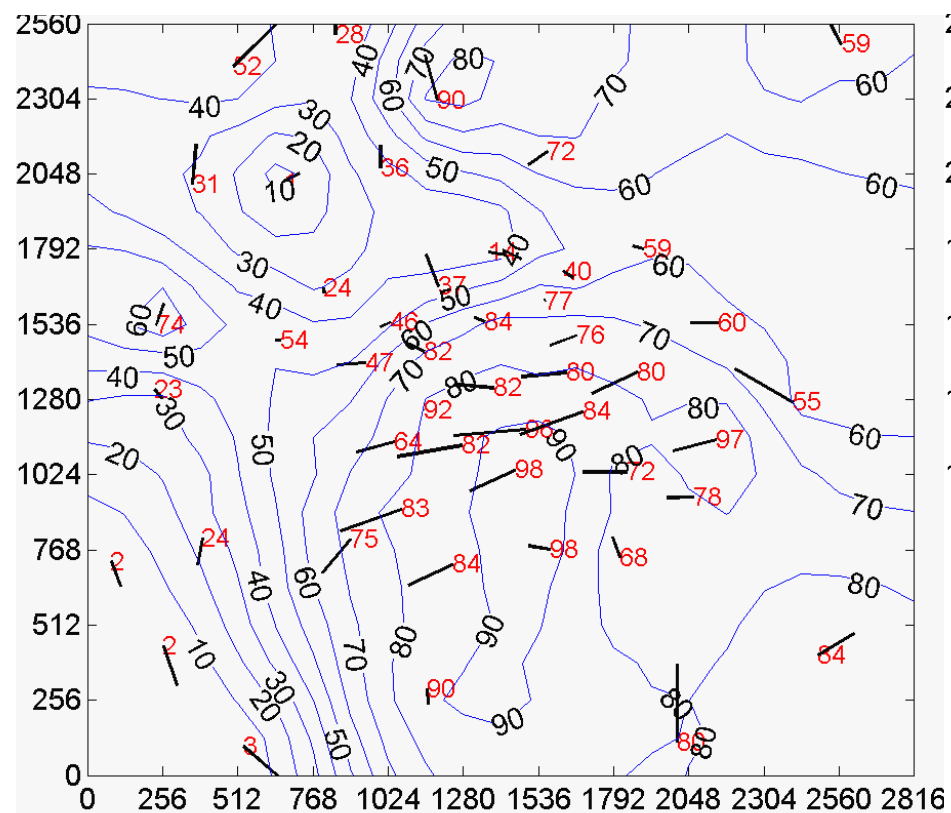
- optimální interpolace

- 3D-VAR

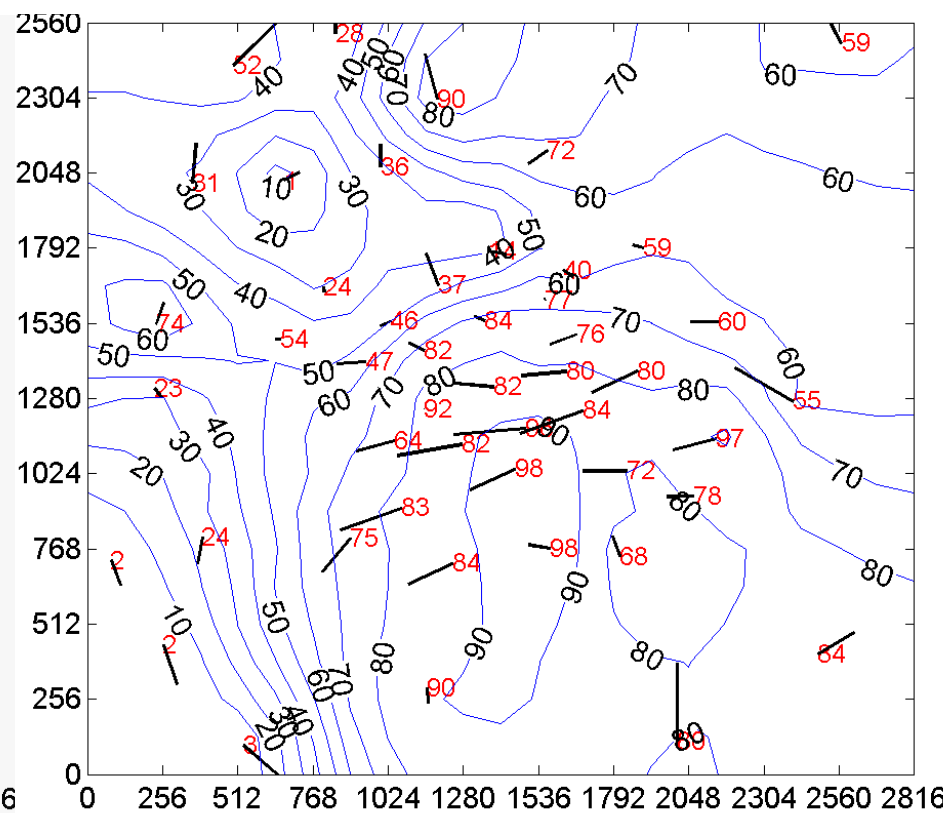
- kriging



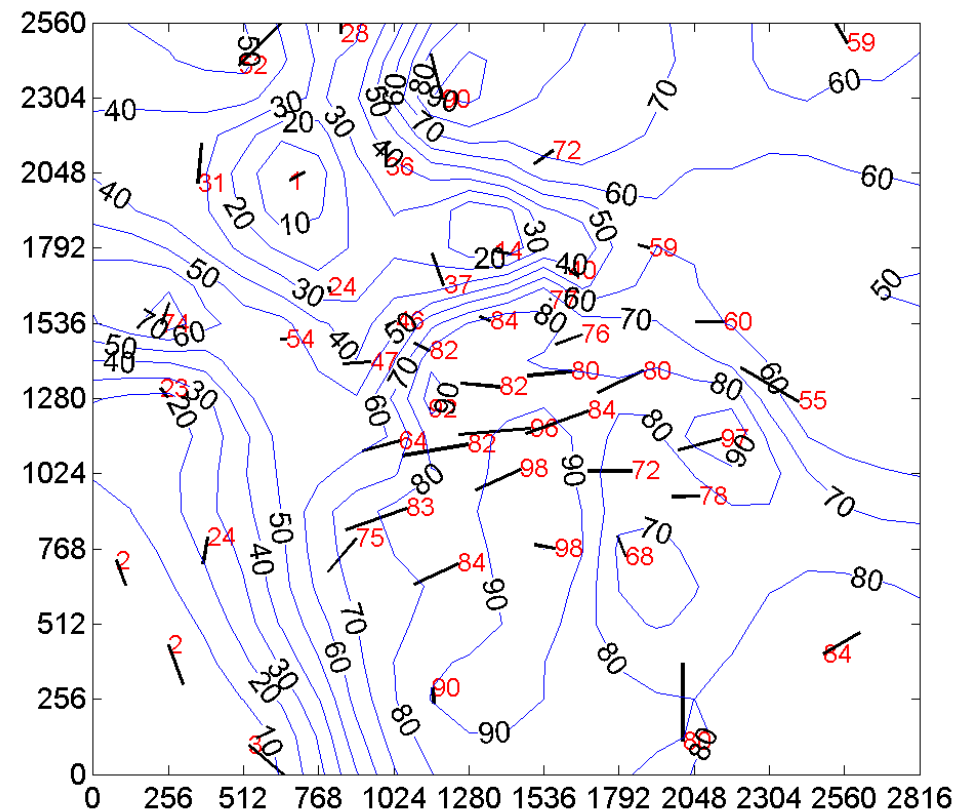
KM, R=500, iter=3



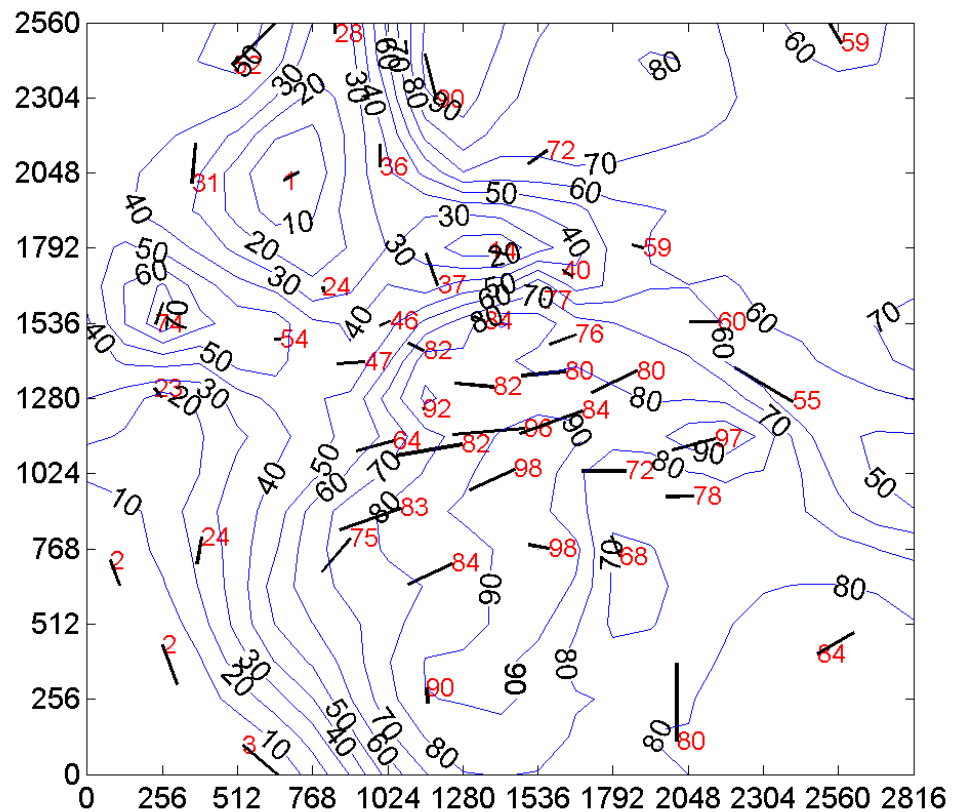
KM, R=500, iter=3,
Transformace vlhkosti



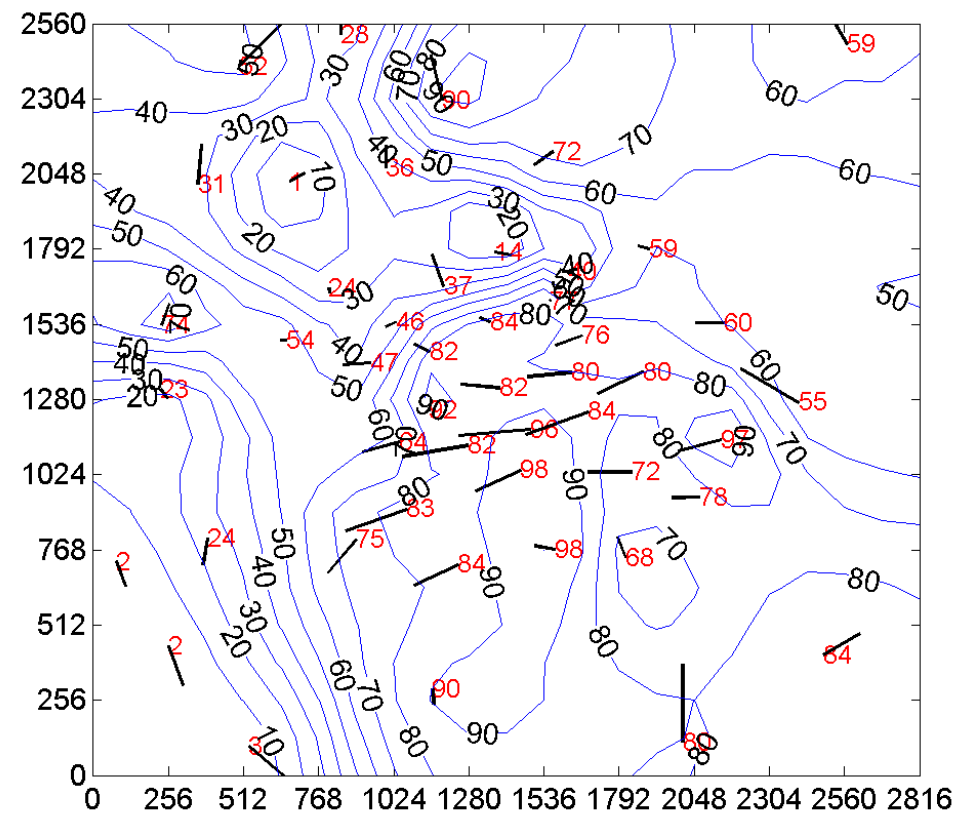
KM, R=500, iter=5



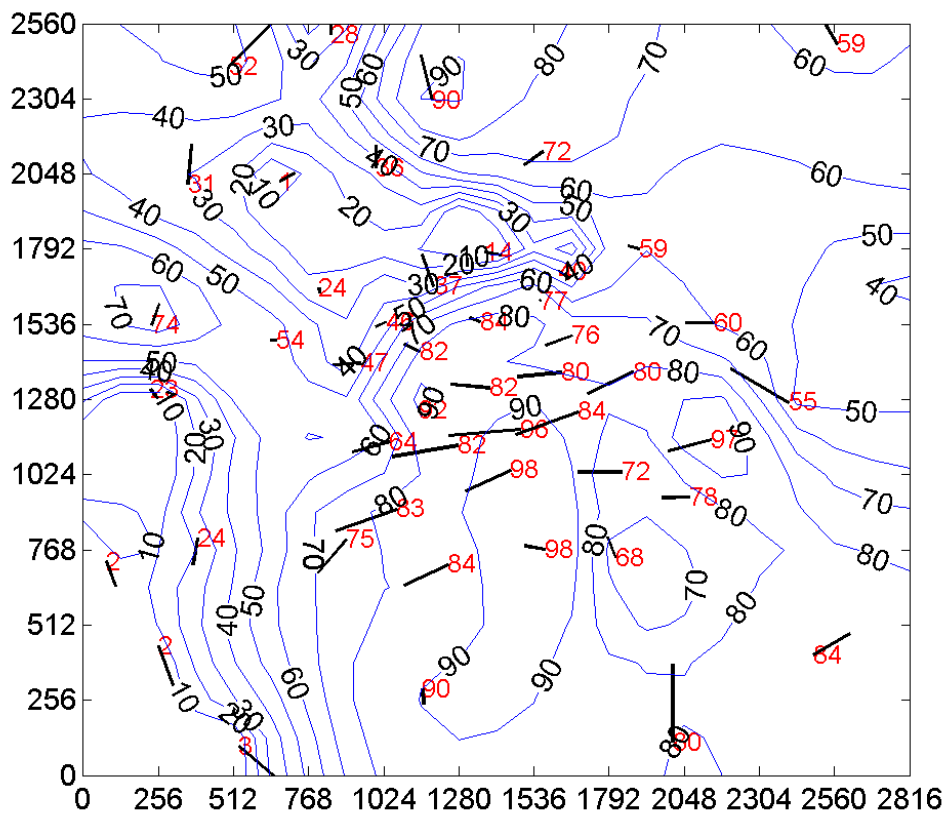
KM, R=500, iter=5, beta=0.5



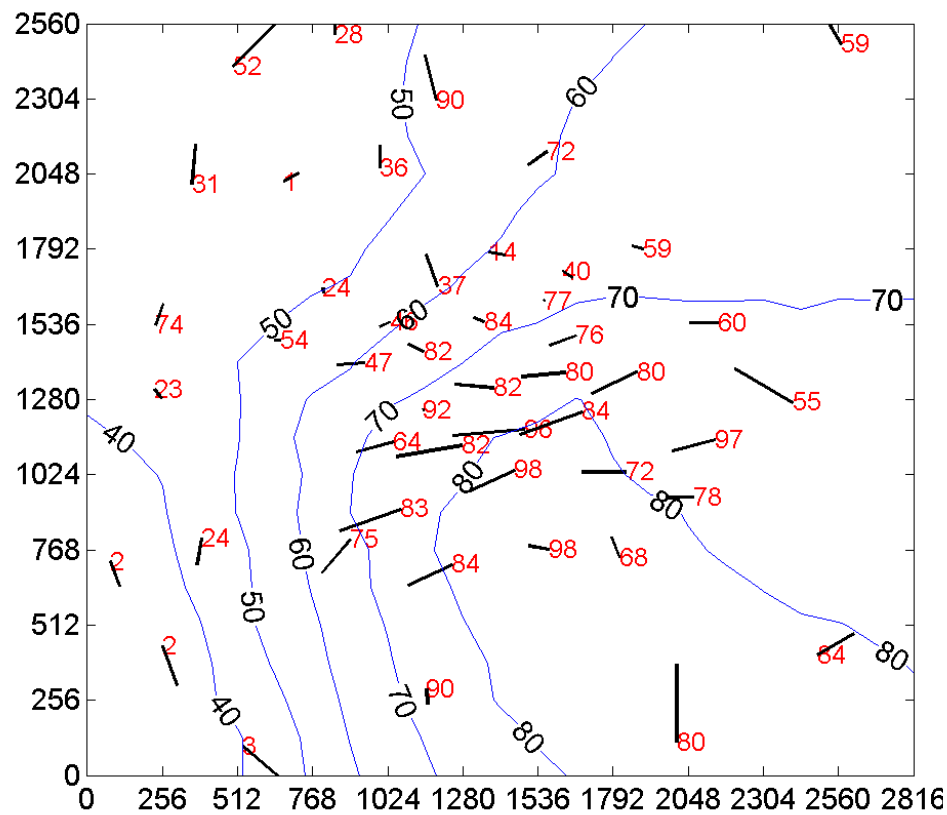
KM, R=500, iter=5



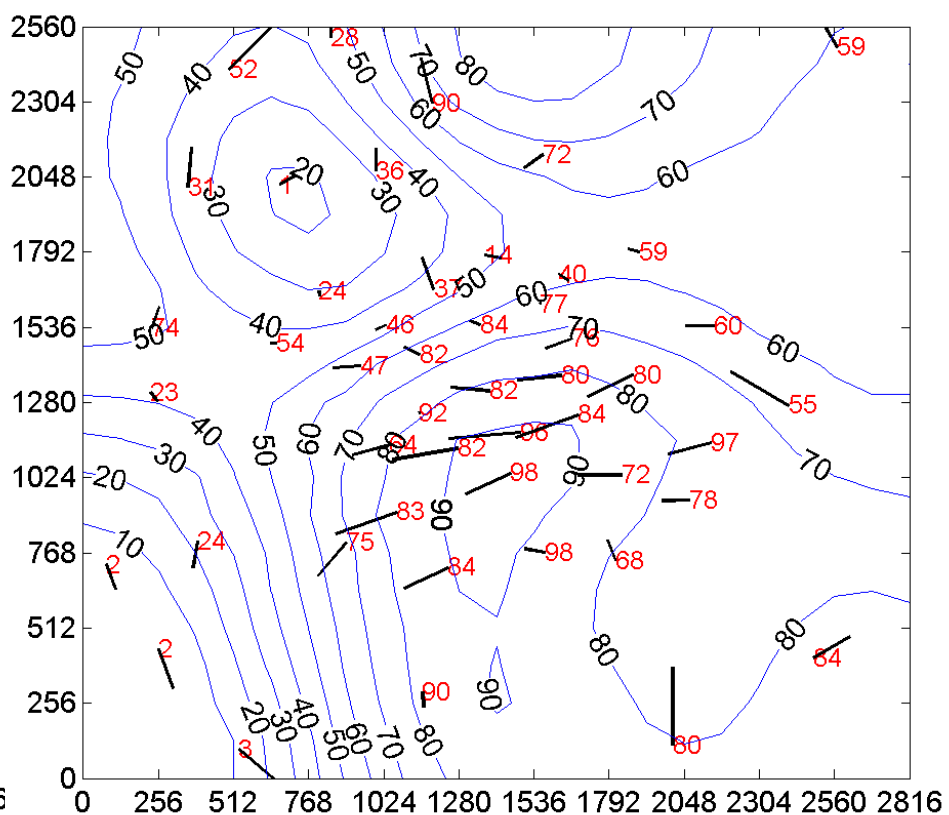
KM, R=500, iter=5,
Transformace vlhkosti



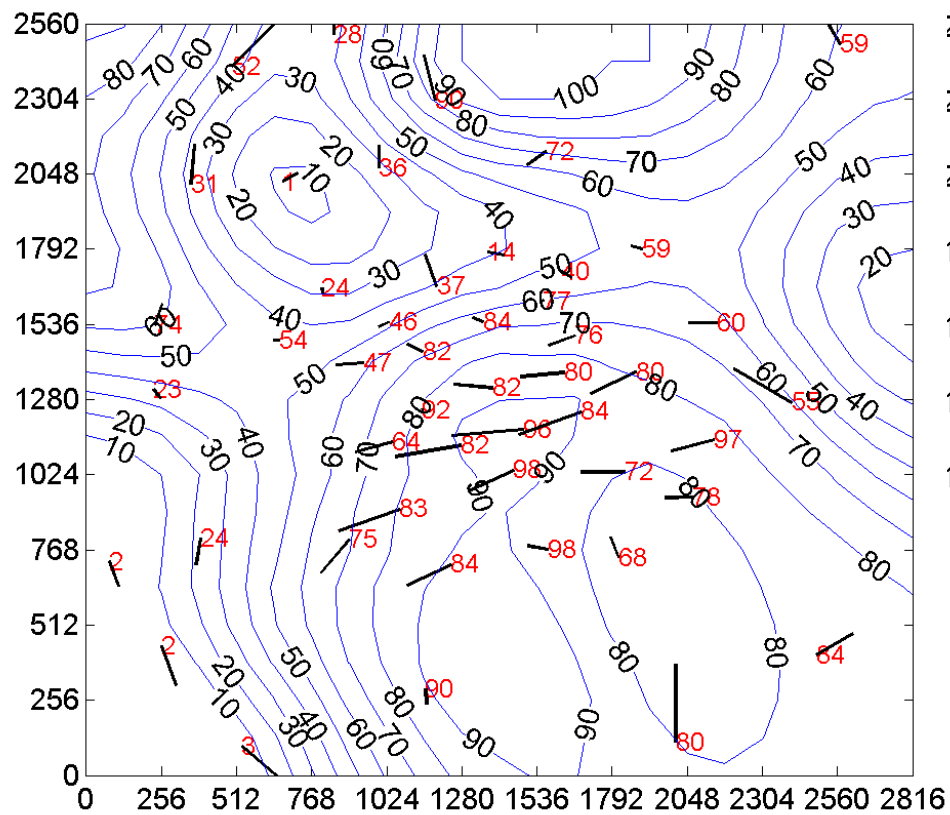
OI, předběžné pole (KM)



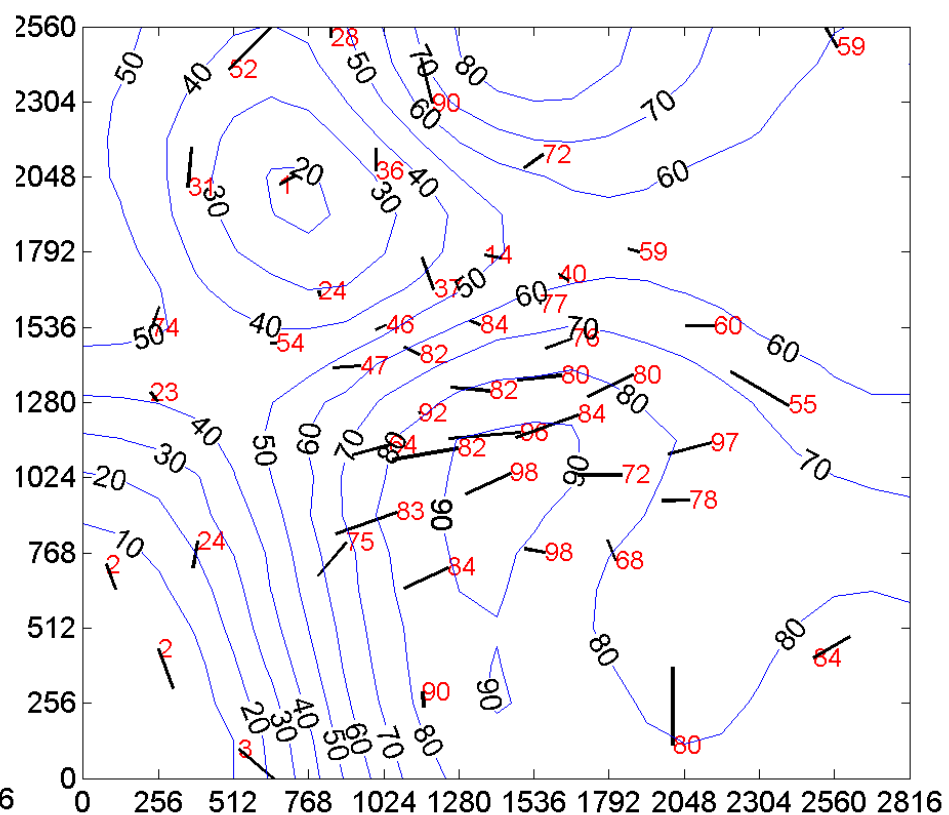
OI, R=500, eps=0.2, alfa=0.5



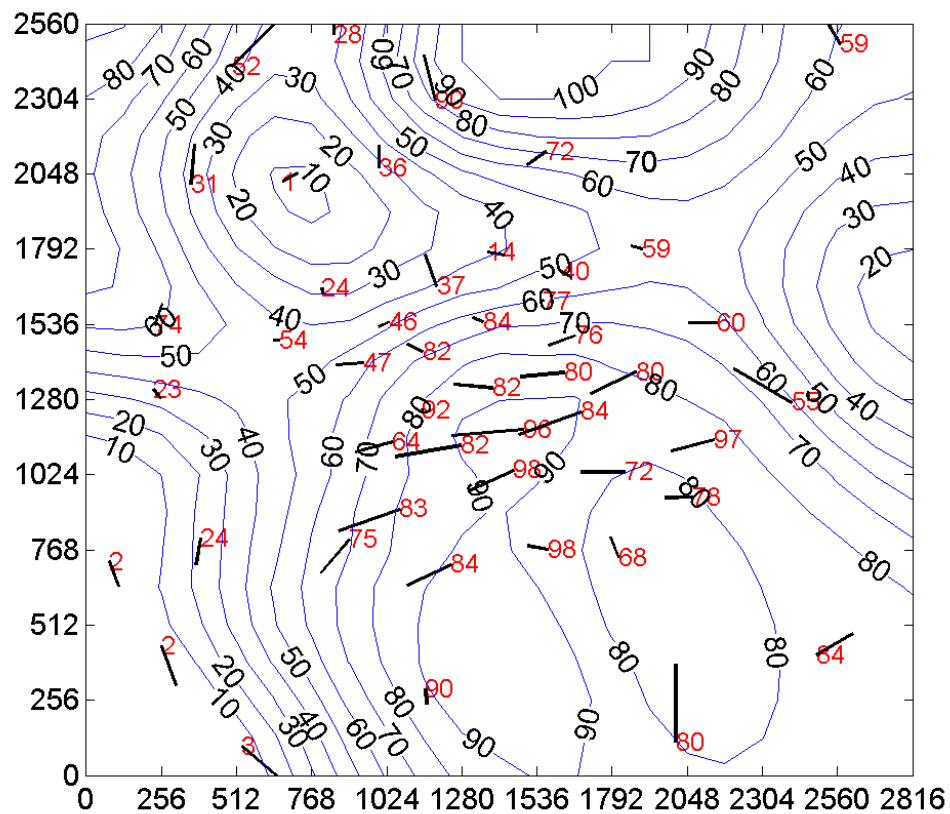
OI, R=500, eps=0.02, alfa=0.5



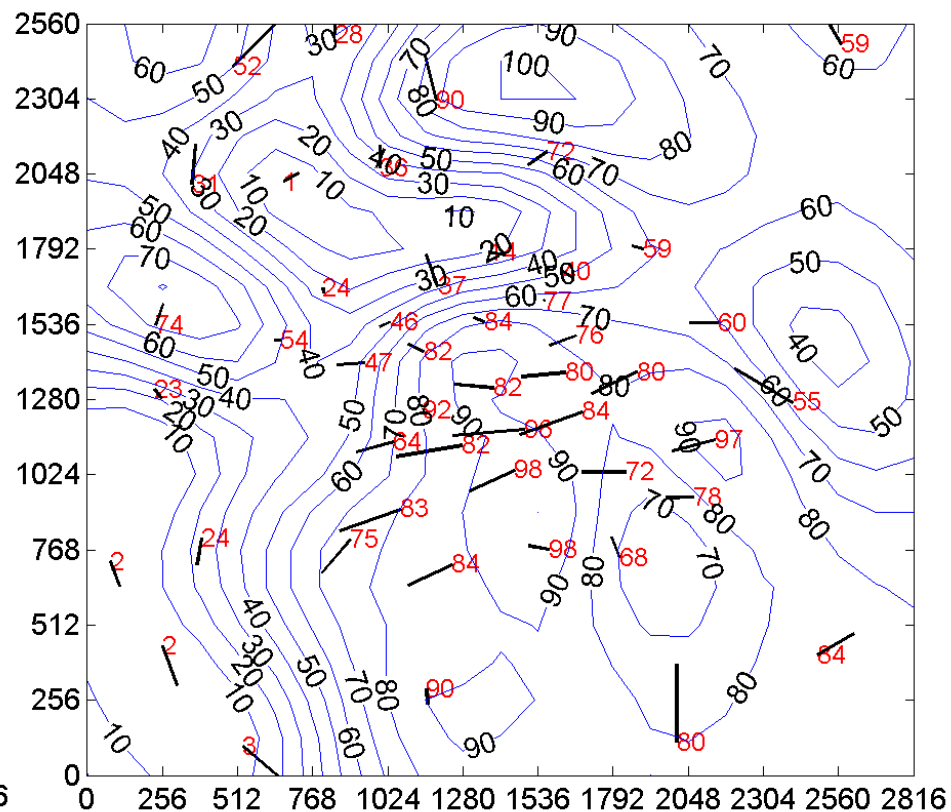
OI, R=500, eps=0.2, alfa=0.5



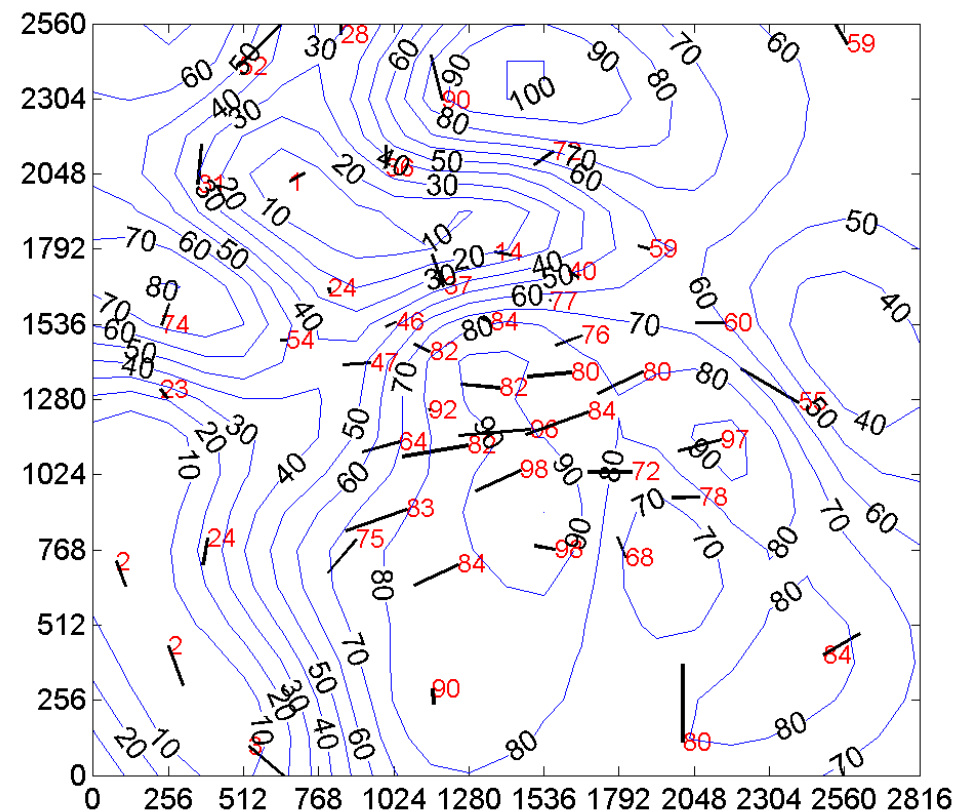
OI, R=500, eps=0.02, alfa=0.5



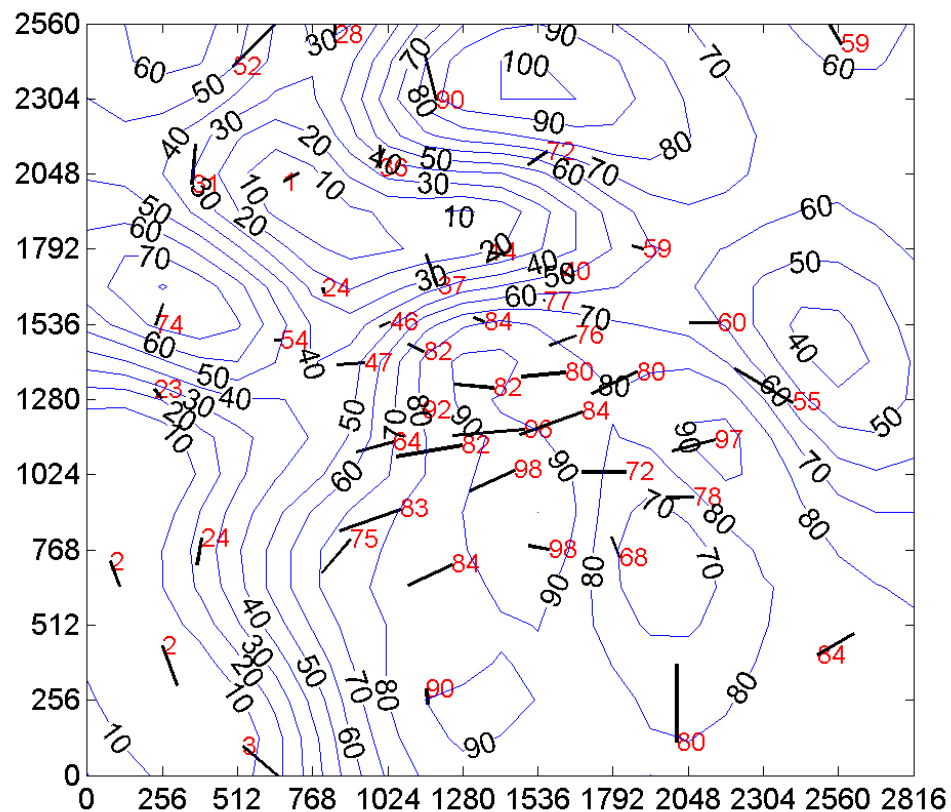
OI, R=300, eps=0.02, alfa=0.5



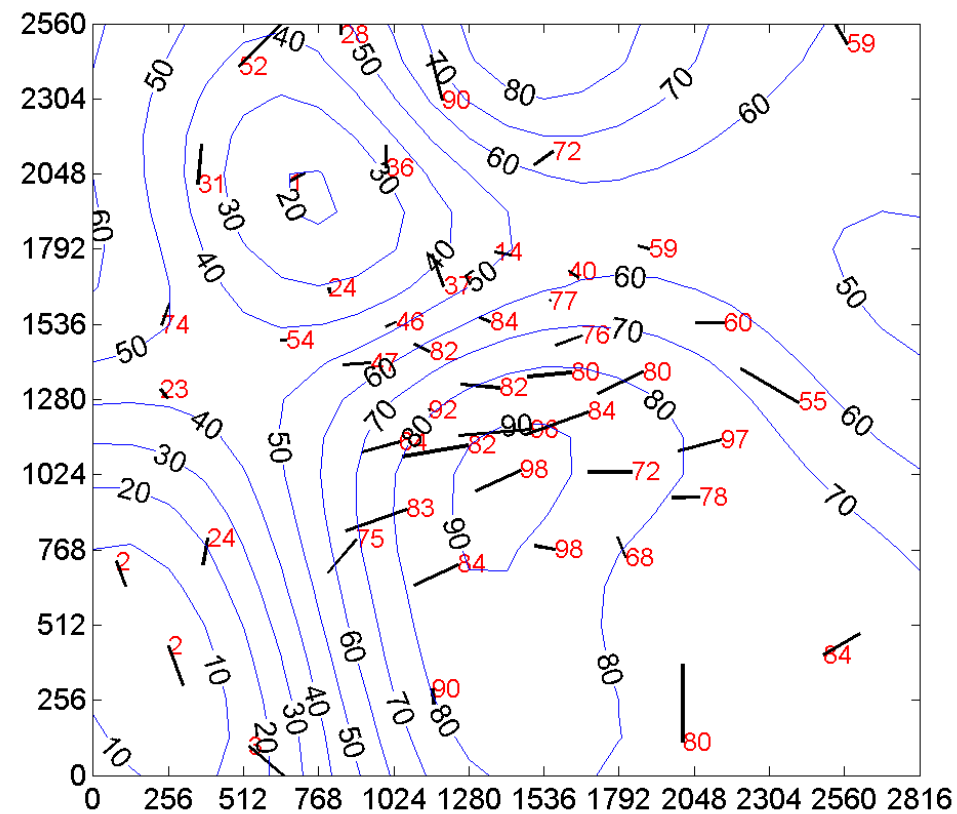
Kriging, R=300, eps=0.02, alfa=0.5



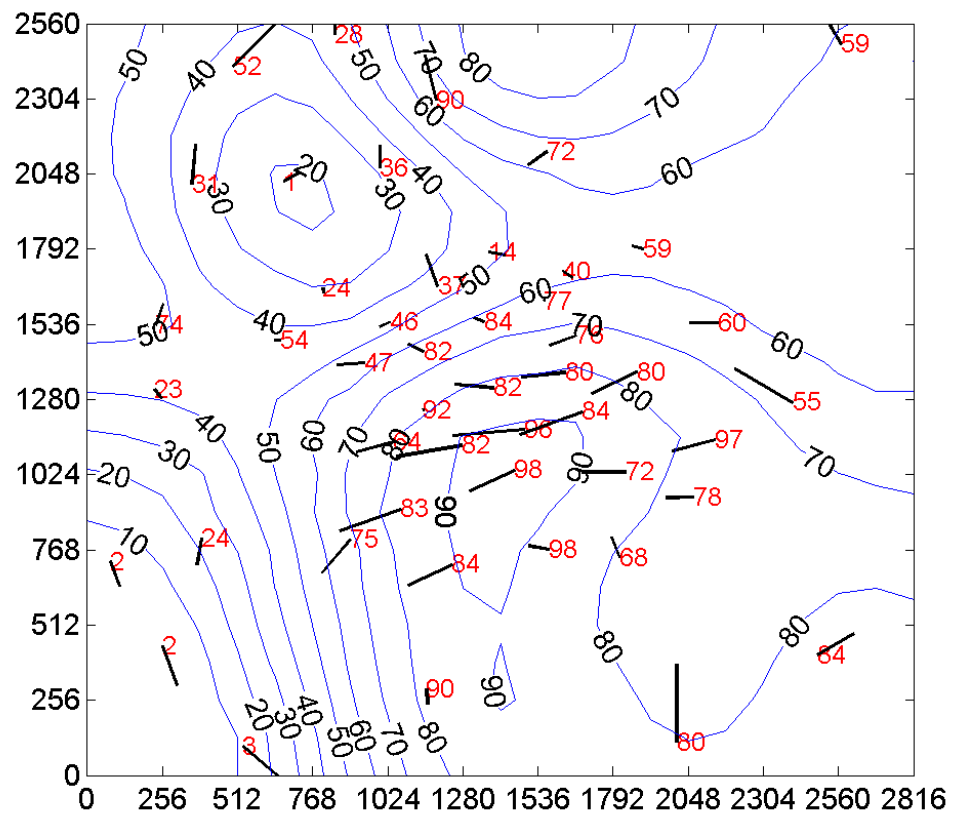
OI, R=300, eps=0.02, alfa=0.5



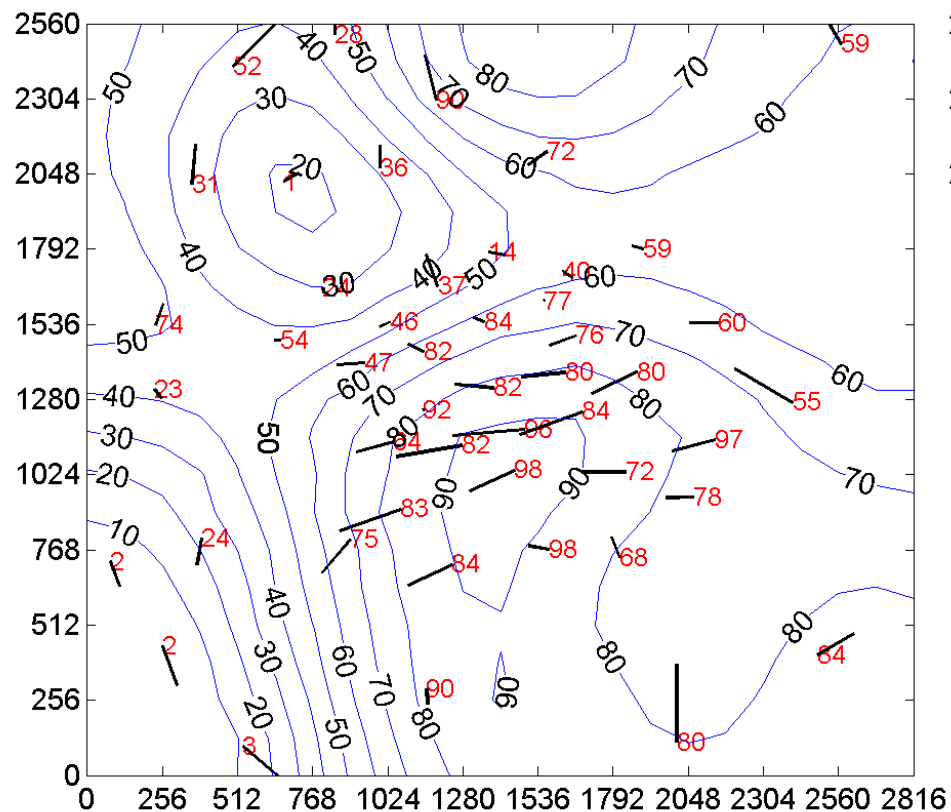
Kriging, $R=500$, $\text{eps}=0.2$, $\text{alfa}=0.5$



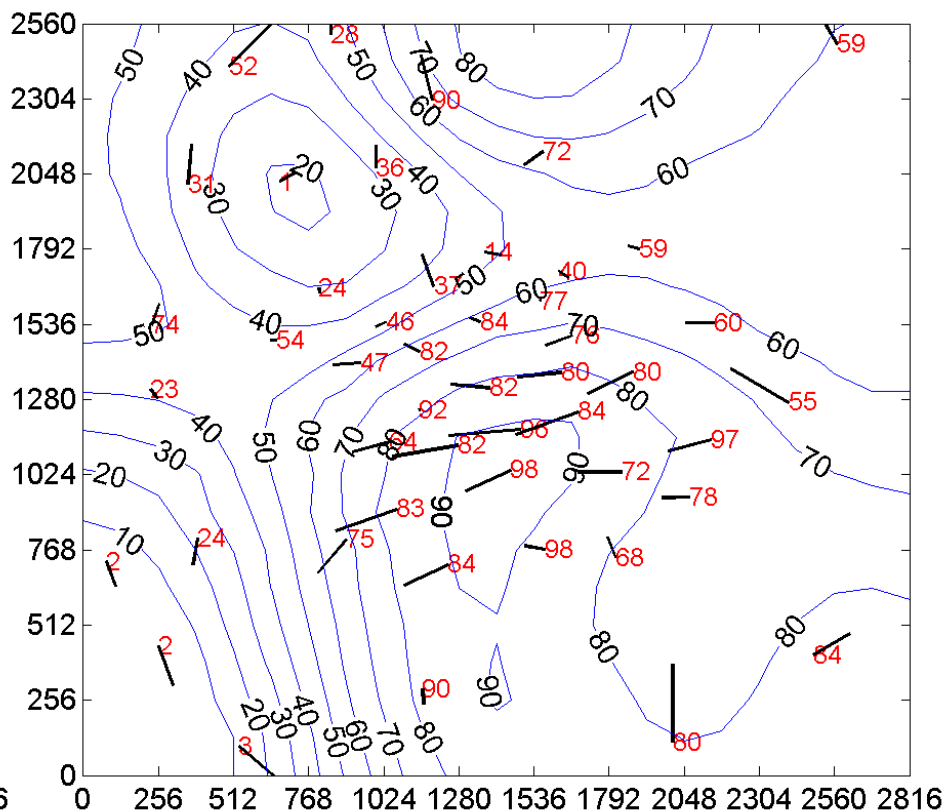
OI, $R=500$, $\text{eps}=0.2$, $\text{alfa}=0.5$



3D-VAR, R=500, E=0.2, alfa=0.5



OI, R=500, eps=0.2, alfa=0.5



Porovnání korekce v. kriging

KM, R=500, iter=5

Kriging, R=300, eps=0.02, alfa=0.5

