

Problem	1	2	3	4	5	original
Wells						
1	-200	-200	-50	-50	-300	-200
2	0	-200	0	-50	-500	-200
3	0	0	0	0	-400	-200
4	0	0	0	0	-700	-200
5	500	500	20	20	600	500

Table 1: Configuration of the problems

Problem	1	2	3	4	5
Deflation vectors					
1	42	46	38	35	42
4	43	43	43	43	42
5	548	63	38	44	59
ICCG	110	109	121	118	121

Table 2: Number of iterations for DICCG, different number of snapshots, tol  $10^{-1}$

Problem	1	2	3	4	5
Deflation vectors					
1	42	46	38	34	42
4	42	42	43	43	42
5	5	5	5	5	5
ICCG	110	109	121	118	121

Table 3: Number of iterations for DICCG, different number of snapshots, tol  $10^{-5}$

Problem	1	2	3	4	5
Deflation vectors					
1	42	46	38	34	42
4	42	42	43	43	42
5	5	5	5	5	5
ICCG	110	109	121	118	121

Table 4: Number of iterations for DICCG, different number of snapshots, tol  $10^{-10}$

## 1 Other problems

The number and values of wells has been changed the table 2 shows the values for each problem.