

retreating Experiments starting from an **ice free glacier surface**,
regularisation parameters $\lambda_0 = 1$ and $\lambda_1 = 100$, $t^{spinup} = 100$ a

fg: first guess

— and A: 'explicit' approach

— and B: 'implicit' approach

— and C: 'iterative' approach

—●— RMSE of b and b_t

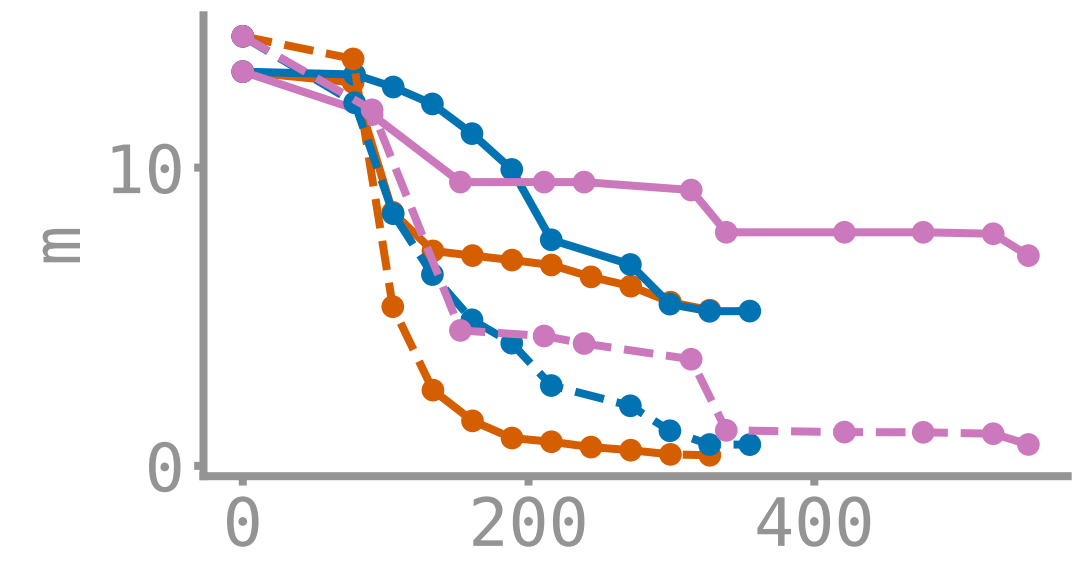
-●- RMSE of s_m^e and s_o^e

...●... RMSE of Ps and Ps_t

bed shape shown

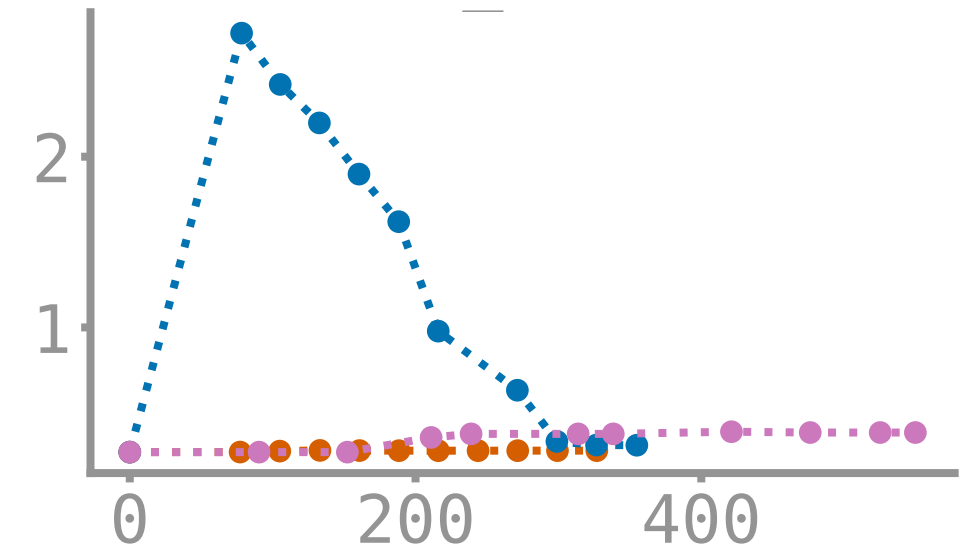
cliff wide top bed_h

DIFF_b, DIFF_s, fct, T_{cpu}				
fg:	46.59,	62.44		
A:	23.45,	2.04,	12,	327s
B:	26.65,	4.55,	13,	355s
C:	29.58,	3.42,	21,	550s



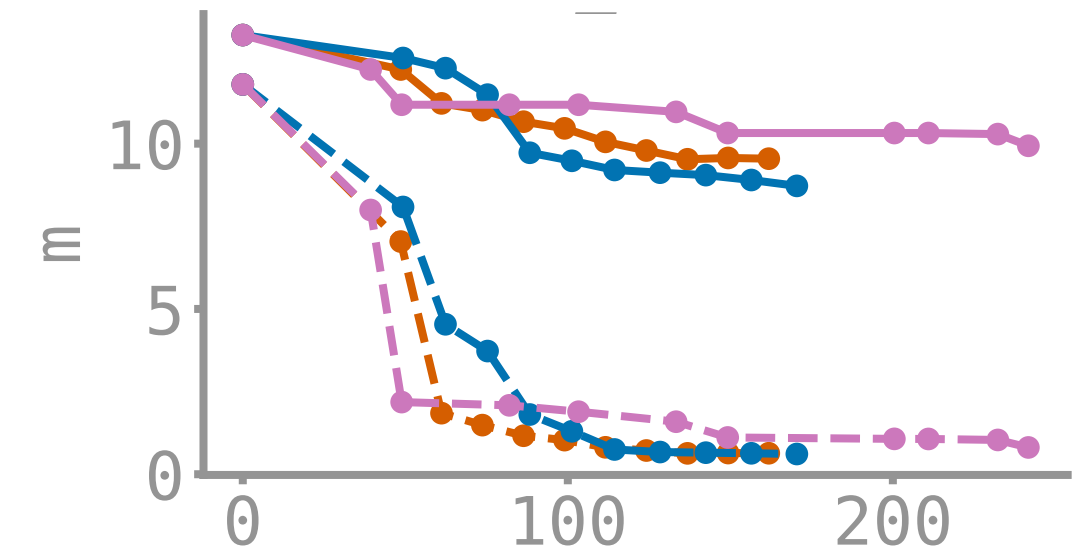
Ps

DIFF_Ps, DIFF_w, fct, T_{cpu}				
fg:	1.21,	7.23		
A:	1.21,	2.83,	12,	327s
B:	2.00,	2.80,	13,	355s
C:	1.27,	3.28,	21,	550s



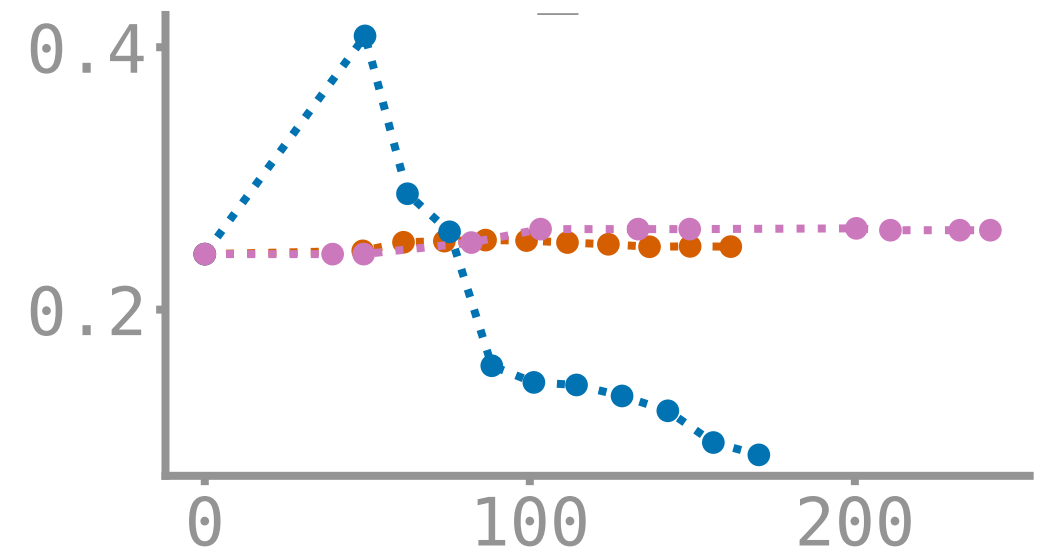
random constant bed_h

DIFF_b, DIFF_s, fct, T_{cpu}				
fg:	37.45,	49.78		
A:	26.60,	1.75,	13,	162s
B:	25.54,	1.63,	13,	170s
C:	26.98,	2.73,	21,	242s



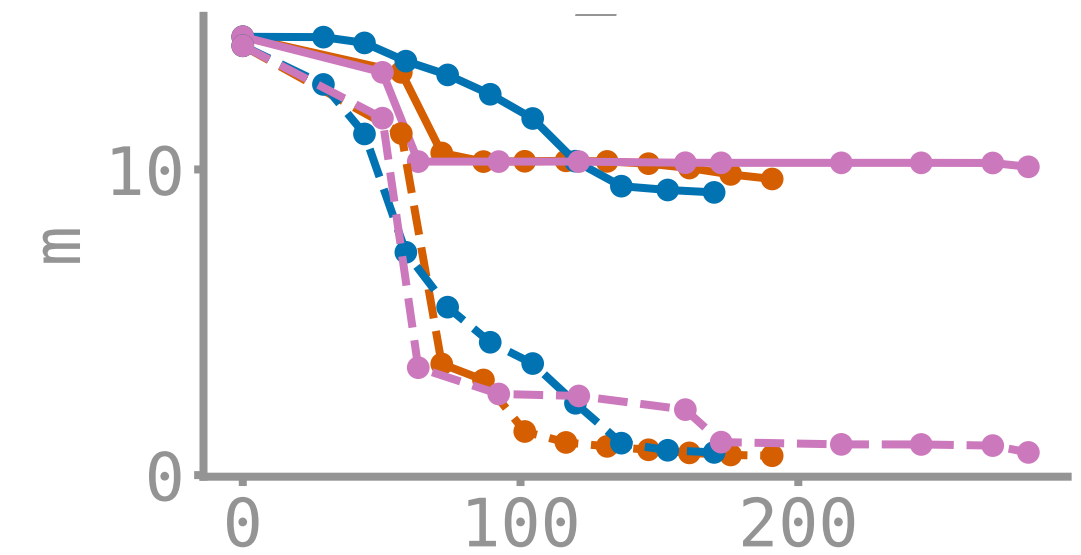
Ps

DIFF_Ps, DIFF_w, fct, T_{cpu}				
fg:	1.46,	9.57		
A:	1.46,	2.71,	13,	162s
B:	0.29,	0.48,	13,	170s
C:	1.50,	2.60,	21,	242s



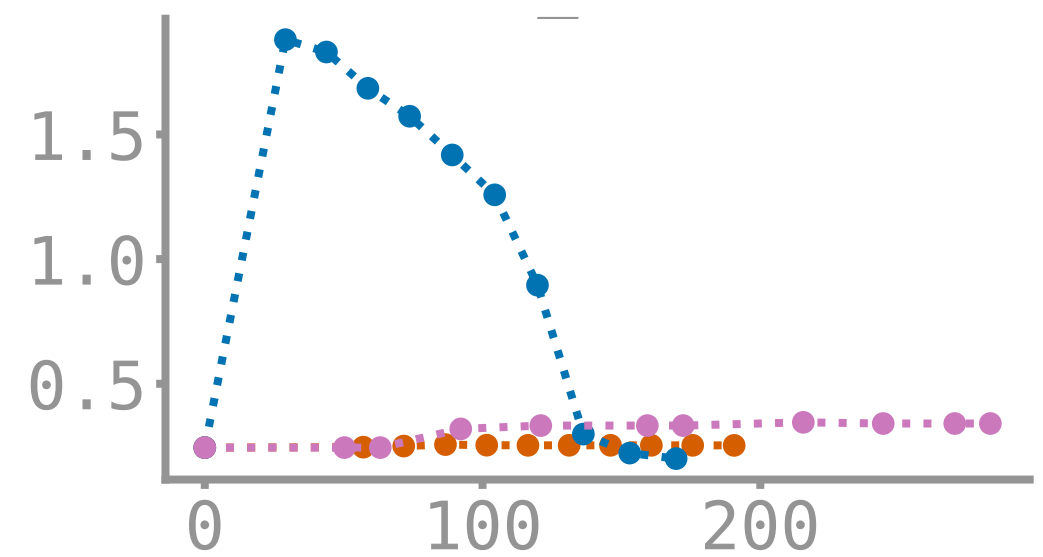
random wide top bed_h

DIFF_b, DIFF_s, fct, T_{cpu}				
fg:	45.80,	62.82		
A:	27.05,	1.61,	13,	191s
B:	27.27,	2.42,	11,	170s
C:	27.49,	2.57,	21,	283s



Ps

DIFF_Ps, DIFF_w, fct, T_{cpu}				
fg:	0.95,	7.02		
A:	0.98,	1.38,	13,	191s
B:	0.82,	0.35,	11,	170s
C:	1.17,	1.56,	21,	283s



T_{cpu}