

Table S1 Performance

No.	Layer#	Opacity RMSE of coherent lines		Runtime of Layer (sec)	Runtime of MSERs (sec)	Runtime of SFS (sec)
		By Eq.1	By Eq.5			
Rosemaling 1 (548*732)	2	29.12	15.39	371.07	0.62	25.58
	3	12.89	5.92			
	4	16.74	9.63			
Rosemaling 2 (564*858)	2	23.34	11.25	402.11	0.55	12.54
	3	26.33	15.97			
	4	14.22	8.26			
Rosemaling 3 (546*725)	2	17.58	14.45	324.72	0.84	21.71
	3	19.78	12.77			
	4	24.63	17.24			
Rosemaling 4 (400*522)	2	34.11	21.42	218.6	0.78	34.21
	3	20.52	14.58			
	4	22.2	17.99			
	5	24.24	11.51			
Rosemaling 5 (556*668)	2	19.44	12.84	173.83	0.4	47.68
	3	31.22	24.71			
	4	30.72	19.95			
	5	38.98	21.36			
Rosemaling 6 (450*349)	2	30.48	18.75	212.77	0.31	14.26
	3	26.47	12.74			
	4	26.86	18.41			
	5	17.85	8.65			
Chinese 1 (472*784)	2	44.41	26.33	71.51	0.22	10.85
	3	25.28	16.37			
	4	9.26	4.19			
Chinese 2 (357*651)	2	17.55	10.32	574.98	1.38	43.22
	3	23.27	11.84			
	4	31.94	18.35			

The stroke segmentation and modeling are based on the opacity of layers in our implementation. Thus, we show the opacity RMSE of coherent lines in order to emphasize that the coherent lines have been embedded into the opacity of layers.



