

	Simulation number	β (m)	φ' ($^{\circ}$)	Cohesion (kPa)	Viscosity (kPa s)	Maximum velocity (m s $^{-1}$)	Volume (m 3)	Maximum thickness (m)	Mean thickness (m)	Run-out (m)	% of overlapped area (simulated vs. real)	Fitness function values
DF #1	62	0.0012	9	0.9	1.0	1.4	1394.7	3.3	1.5	533.8	77.4	0.88
	88	0.0013	14	0.9	0.8	1.2	1391.7	3.2	1.5	533.8	78.2	0.88
	90	0.0013	14	0.9	1.0	1.7	1450.9	3.3	1.5	533.8	77.4	0.88
	118	0.0014	21	0.9	1.0	1.2	1336.6	3.4	1.5	533.8	77.4	0.88
DF #2	9	0.0011	0	0.8	0.9	1.3	2187.1	3.4	1.5	517.7	77.7	0.88
	64	0.0012	14	0.8	0.8	1.1	2106.1	3.5	1.6	519.0	77.7	0.88
	65	0.0012	14	0.8	0.9	1.3	2006.9	3.5	1.5	517.7	77.7	0.88
	66	0.0012	14	0.8	1.0	0.9	1862.7	3.5	1.5	517.7	77.7	0.88
	82	0.0013	9	0.9	0.9	1.1	2184.5	3.5	1.6	517.7	78.7	0.89
	93	0.0013	21	0.8	0.9	1.0	2333.0	3.5	1.7	521.3	79.1	0.89
	94	0.0013	21	0.8	1.0	1.2	2245.5	3.5	1.7	521.3	79.1	0.89
	117	0.0014	21	0.9	0.9	1.1	2041.5	3.5	1.5	517.5	79.8	0.89