

Variations of horizontal and vertical velocities of retrogressive landslides

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Data for Figure 6 in “Xue Zhang, Scott W. Sloan, Eugenio Onate. Dynamic modelling of retrogressive landslides with emphasis on the role of clay sensitivity. International Journal for Numerical and Analytical Methods in Geomechanics. 2018, DOI: 10.1002/nag.2815.”

Time(s)	Vx(Max)	Vx(Front)	Vy(Max)	Vy(Front)
0	0	0	0	0
0.15	0.375601	0.296384	-	0.034678
0.4	0.623323	0.621946	-	0.005756
0.65	0.784308	0.636726	-	0.005954
0.9	0.98693	0.891199	-	0.02054
1.15	1.204789	1.188661	-	0.020028
1.4	1.478266	1.410421	-	0.016013
1.65	1.795016	1.709519	-	0.022382
1.9	2.24881	2.068143	-	0.030983
2.15	2.597991	2.529679	-	0.035192
2.4	2.885025	2.883522	-	0.023048
2.65	3.157974	3.150471	-	0.03022
2.9	3.445642	3.338924	-	0.02331
3.15	3.61719	3.498381	-1.84924	0.008887
3.4	3.757531	3.67261	-	0.010584

3.65	3.90537	3.806384	1.589802	-	0.011921
3.9	3.94341	3.935972	1.447781	-	0.006259
4.15	4.079662	4.053177	1.252022	-	0.012998
4.4	4.168559	4.069189	-1.24852	-	0.003135
4.65	4.231824	4.141889	1.354224	-	0.005984
4.9	4.163695	4.150423	1.424333	-	0.000046
5.15	4.202052	4.126095	1.497874	-	0.003587
5.4	4.158159	4.063688	1.452062	-	0.003575
5.65	4.076456	3.996746	1.640354	-	0.007181
5.9	3.979334	3.94632	1.866558	-	0.003514
6.15	3.913712	3.792722	1.976394	-	0.015131
6.4	3.751278	3.719205	2.075889	-	0.010698
6.65	3.648061	3.581681	2.058958	-	0.004738
6.9	3.61102	3.553771	1.734035	-	0.004453
7.15	3.605671	3.541337	-1.63234	-	0.000411
7.4	3.52948	3.499207	1.371388	-	-0.00799
7.65	3.43848	3.350986	1.202653	-	0.009574
7.9	3.310144	3.28028	1.117594	-	0.005239
8.15	3.171601	3.126634	1.082039	-	0.015037
8.4	3.009393	2.968537	1.037378	-	0.009843
8.65	2.862291	2.841898	0.946767	-	0.009269
8.9	2.697009	2.651312	0.835171	-	0.011739
9.15	2.51169	2.467435	1.156512	-	0.011476
9.4	2.347049	2.308162	1.355559	-	0.011521
9.65	2.212371	2.167076	1.545097	-	0.014088
9.9	2.437982	2.06069	1.687683	-	0.005403
10.15	2.422734	1.978329	1.786079	-	0.005539

10.4	2.379321	1.915154	1.787433	-	-0.00182
10.65	2.153608	1.850395	1.732641	-	0.007864
10.9	2.158497	1.782111	1.473608	-	0.005222
11.15	2.021341	1.666544	-1.3933	-	0.014807
11.4	2.021247	1.544144	1.121734	-	0.009769
11.65	1.982831	1.521485	0.925931	-	0.000421
11.9	1.907511	1.486827	0.923604	-	0.004719
12.15	1.810769	1.442818	0.863245	-	-0.00096
12.4	1.721401	1.382121	0.803377	-	0.001094
12.65	1.609594	1.404146	0.712527	-	0.000012
12.9	1.518918	1.372747	0.714367	-	0.002265
13.15	1.452419	1.377637	0.618311	-	-0.00105
13.4	1.427128	1.311263	0.714878	-	0.004519
13.65	1.408327	1.253596	0.937949	-	0.003141
13.9	1.459256	1.187377	1.064307	-	-0.0067
14.15	1.669557	1.135649	1.168893	-	0.000237
14.4	1.811517	1.092499	1.362059	-	0.007066
14.65	1.841305	1.029593	1.415721	-	0.003468
14.9	1.82632	1.009977	1.342887	-	0.004958
15.15	1.768362	0.928837	1.282216	-	0.006681
15.4	1.633185	0.872427	1.179931	-	0.009662
15.65	1.459617	0.721721	1.004096	-	0.009615
15.9	1.320479	0.737532	0.844763	-	0.008376
16.15	1.222777	0.761469	0.716615	-	0.006768
16.4	1.095603	0.788279	0.604445	-	-0.00129
16.65	0.971683	0.776222	0.486712	-	0.000987
16.9	0.896493	0.762763	-0.4082	-	0.003594

17.15	0.89658	0.72664	0.317913	-	-
17.4	0.877153	0.612615	-0.33524	-	0.008704
17.65	0.827533	0.703137	0.304598	-	0.00411
17.9	0.799193	0.71712	0.242765	-	0.003091
18.15	0.746401	0.730871	0.238331	-	0.000802
18.4	0.71254	0.628008	0.247993	-	0.007712
18.65	0.689283	0.546287	-0.21818	-	0.003808
18.9	0.652469	0.489703	0.189651	-	-0.00358
19.15	0.608025	0.477921	0.153966	-	0.000212
19.4	0.583918	0.518827	0.124442	-	0.003782
19.65	0.543272	0.452771	0.100794	-	-0.00185
19.9	0.499941	0.46977	0.081052	-	0.000897
20.15	0.471424	0.394579	0.074581	-	0.008285
20.4	0.426389	0.374356	0.071894	-	0.000501
20.65	0.399074	0.335217	0.069064	-	-0.0068
20.9	0.360491	0.282744	0.080257	-	0.001009
21.15	0.321022	0.260231	0.074071	-	0.002811
21.4	0.29342	0.225986	-0.09272	-	0.001991
21.65	0.256204	0.187778	0.072799	-	0.003514
21.9	0.209784	0.185752	0.066525	-	0.00435
22.15	0.167853	0.153121	0.064526	-	0.004813
22.4	0.137782	0.126704	0.040702	-	0.000183
22.65	0.095608	0.085283	0.026201	-	0.004542
22.9	0.060452	0.044805	-0.02112	-	0.002623
23.15	0.020949	0.011023	0.009767	-	0.004128
23.4	0.016457	0.001449	0.019322	-	0.000518
23.65	0.017607	0.000025	0.007367	-	0.000454

23.9	0.015377	0.001735	0.015532	-	0.000612
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