

Figure E-21 $H/D = 40$, Medium sand, $\tan \phi_\mu = 3.0$

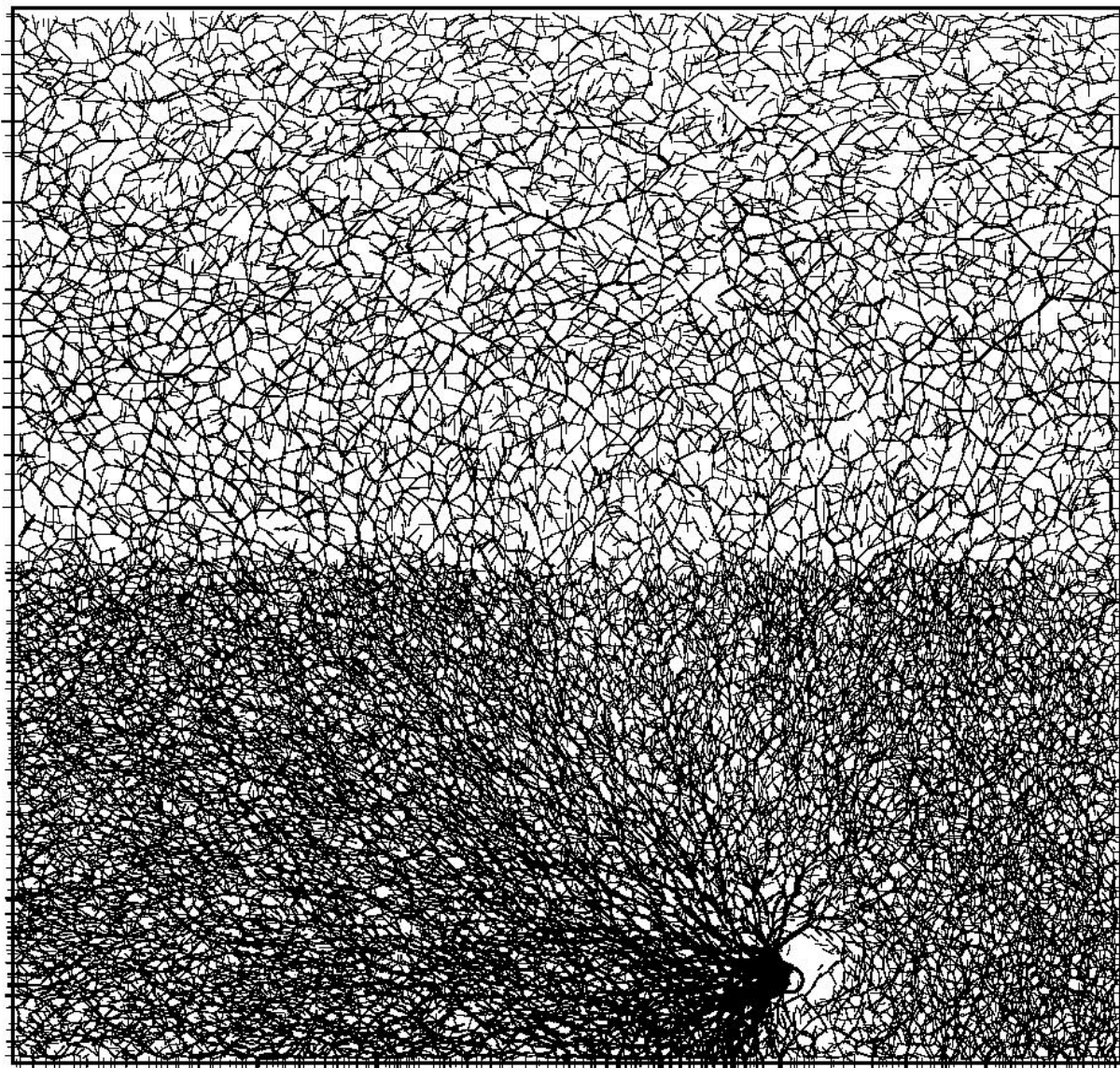


Figure E-22 $H/D = 40$, Dense sand, $\tan \phi_\mu = 3.0$

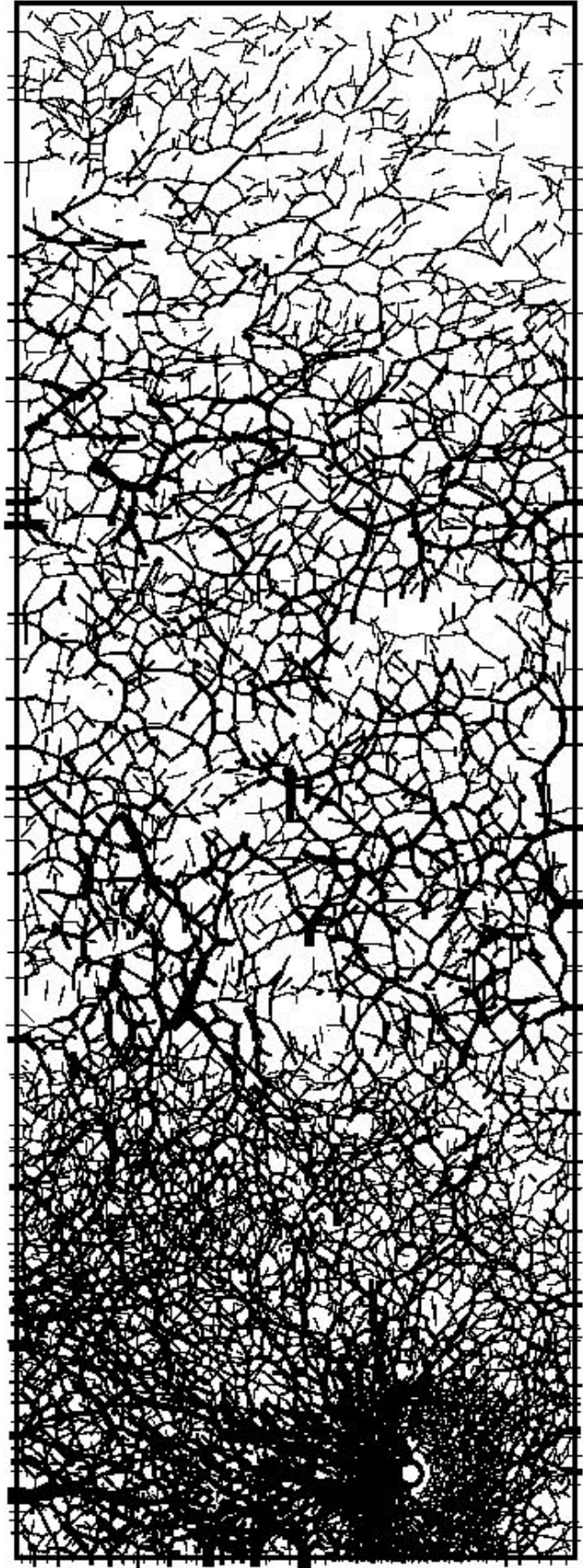


Figure E-23 $H/D = 60$, Medium sand, $\tan \phi_\mu = 3.0$

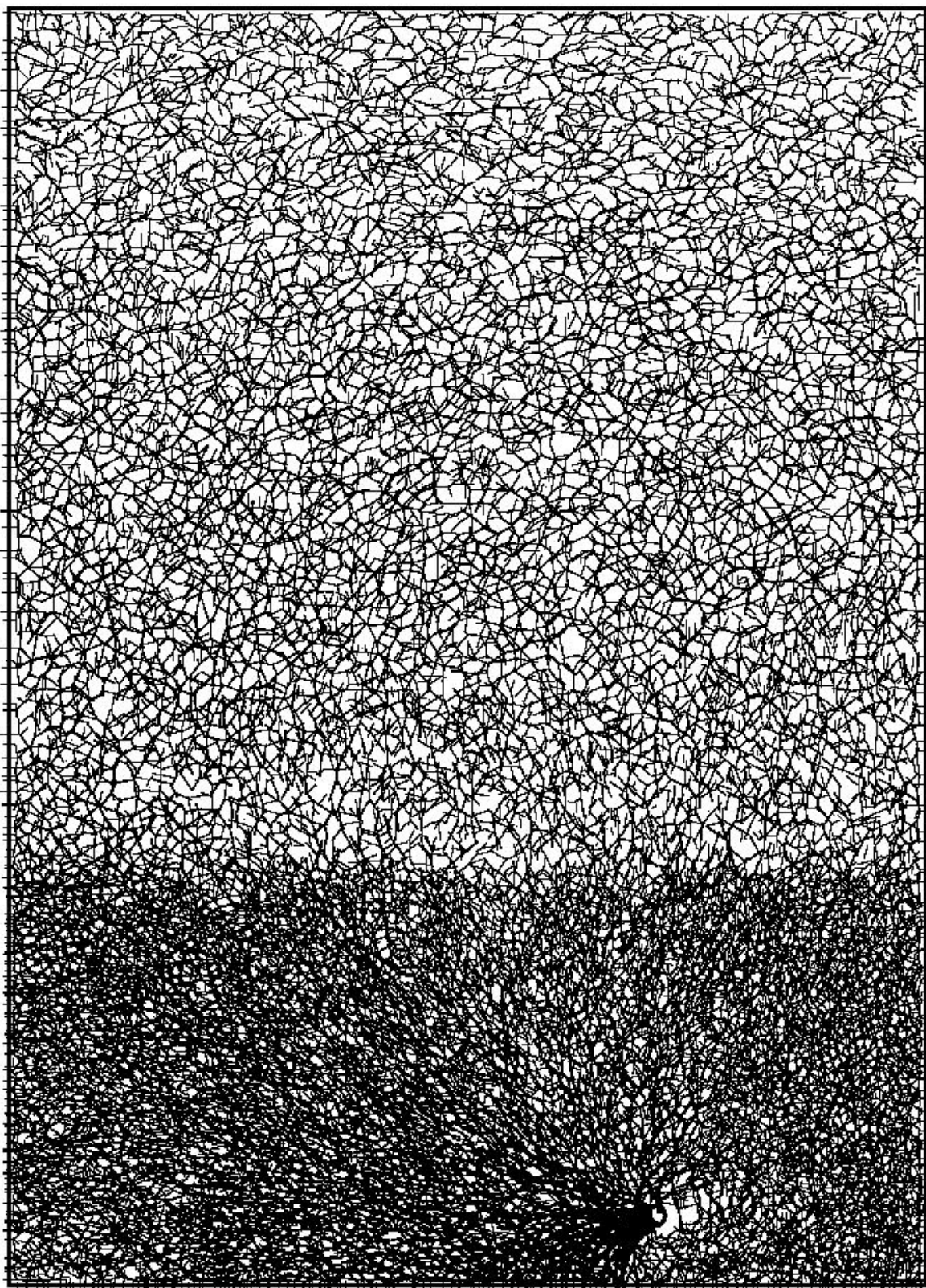


Figure E-24 $H/D = 60$, Dense sand, $\tan \phi_\mu = 3.0$

Appendix F

Contact Force Pattern under Upward Loading

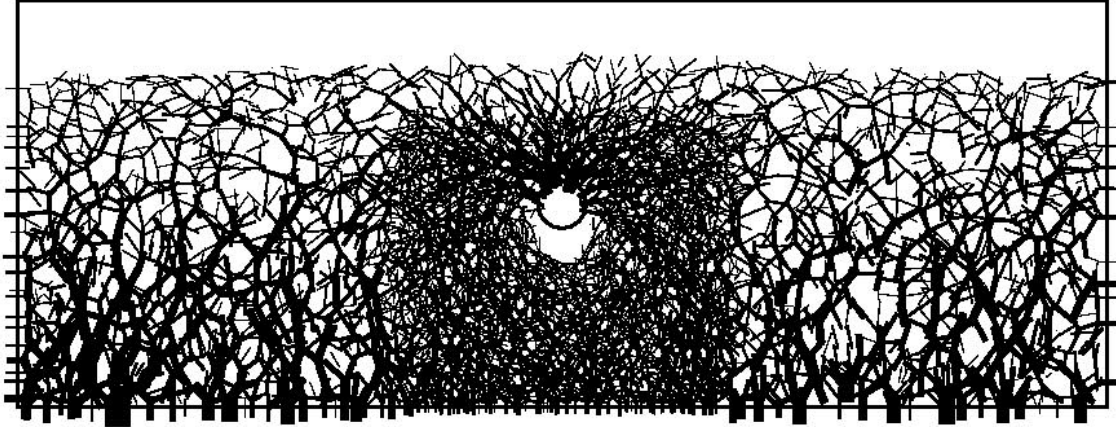


Figure F-1 $H_c/D = 4$, Dense sand, $\tan \phi_\mu = 3.0$

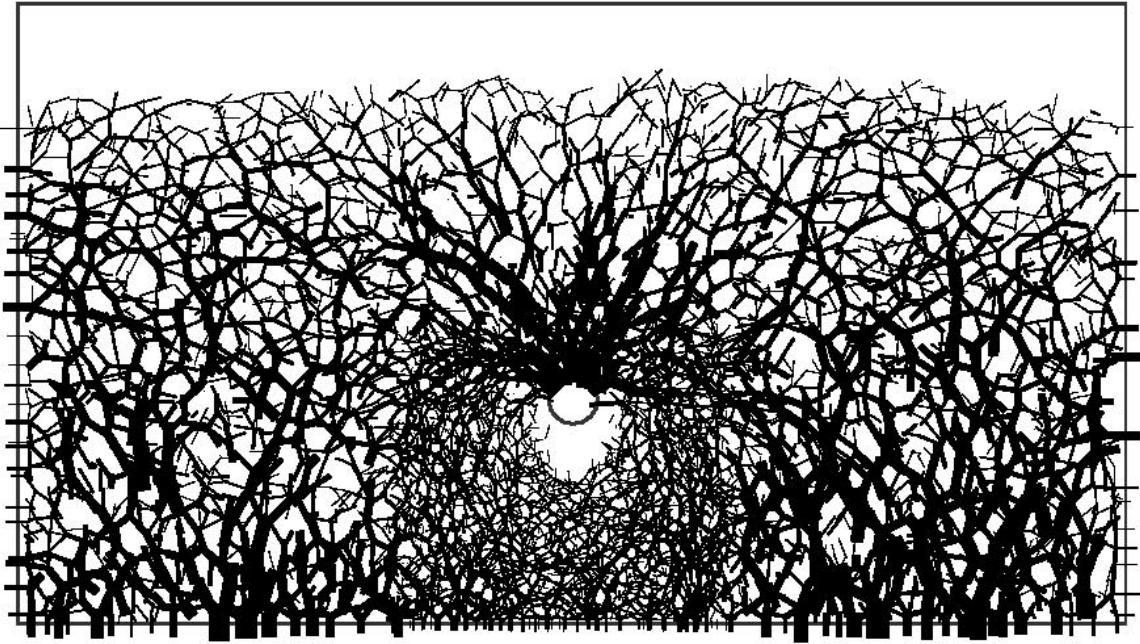


Figure F-2 $H_c/D = 8$, Medium sand, $\tan \phi_\mu = 3.0$

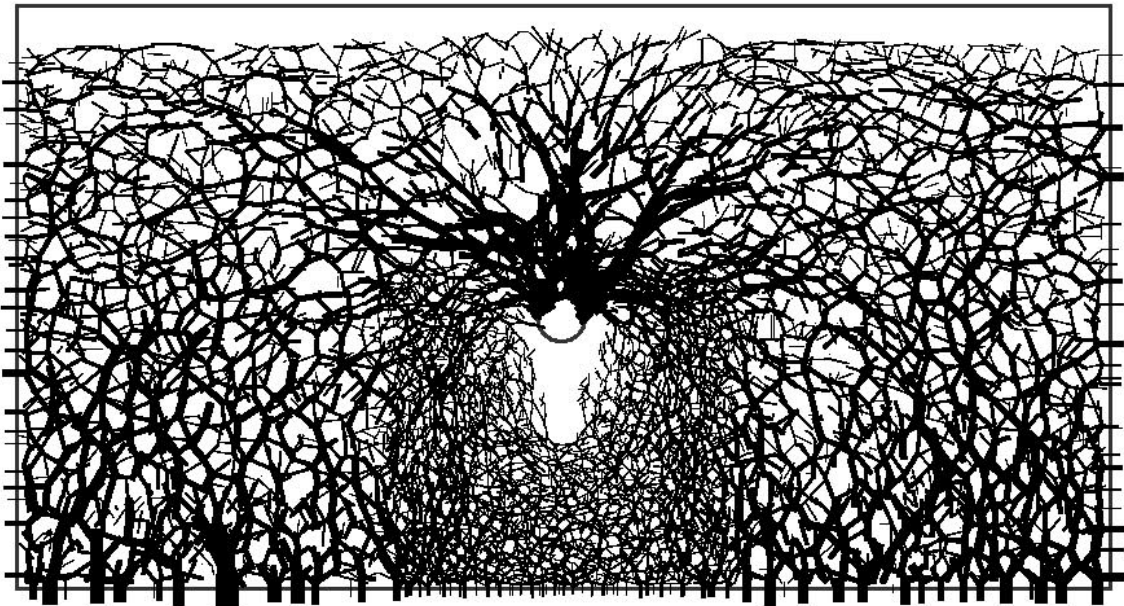


Figure F-3 $H_c/D = 8$, Dense sand, $\tan \phi_\mu = 3.0$

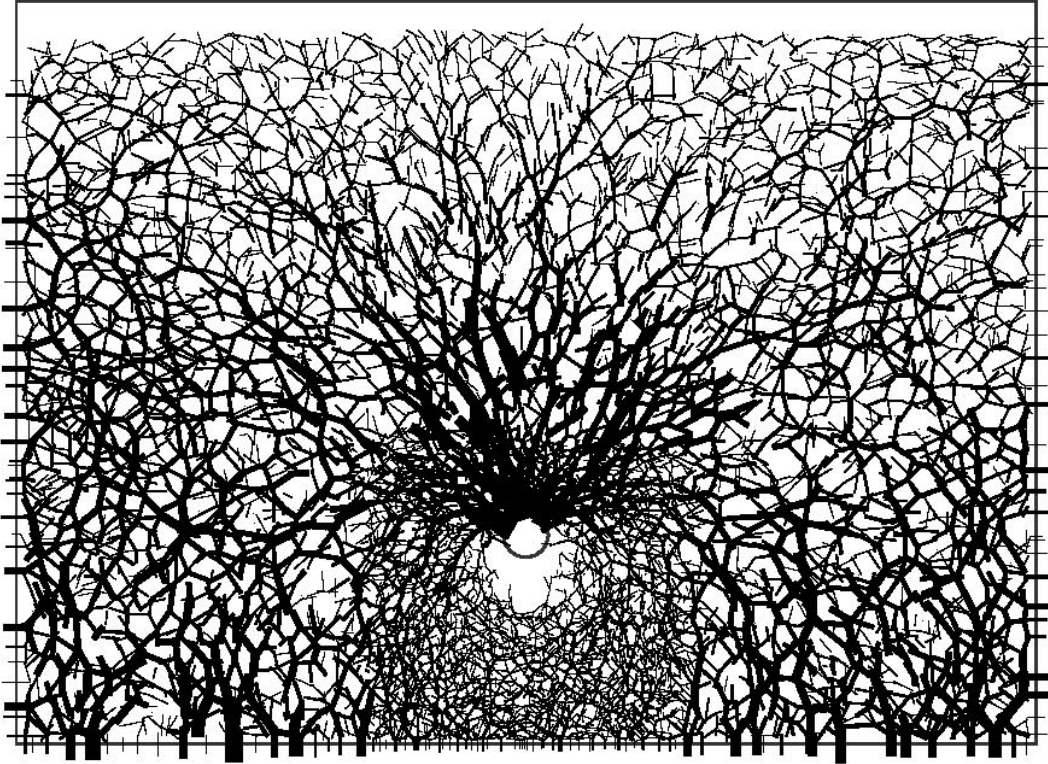


Figure F-4 $H_c/D = 13$, Medium sand, $\tan \phi_\mu = 3.0$

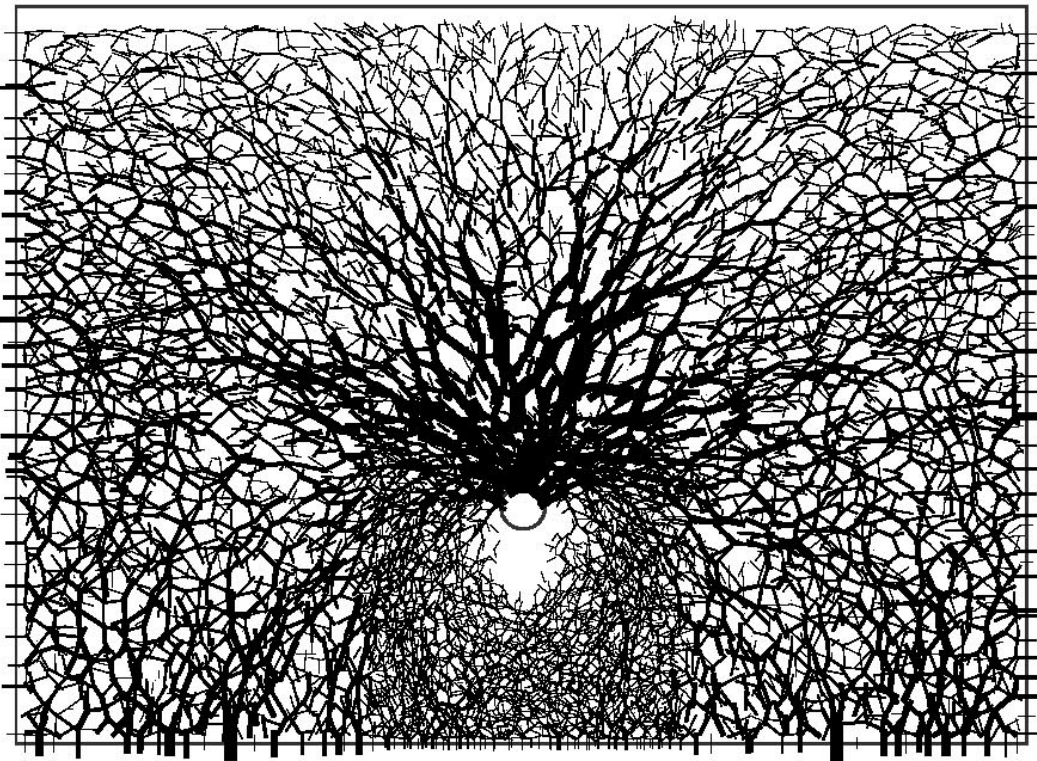


Figure F-5 $H_c/D = 13$, Dense sand, $\tan \phi_\mu = 3.0$