

impact velocities is presented in Figure 3. Analysis of the effect of interface conditions shows that for the same impact velocity, at lower friction on the nose, the optimum nose angle is smaller. As expected, for the same impact velocity, at lower friction between the nose and target, a sharper nose projectile encounters less resistance to penetration.

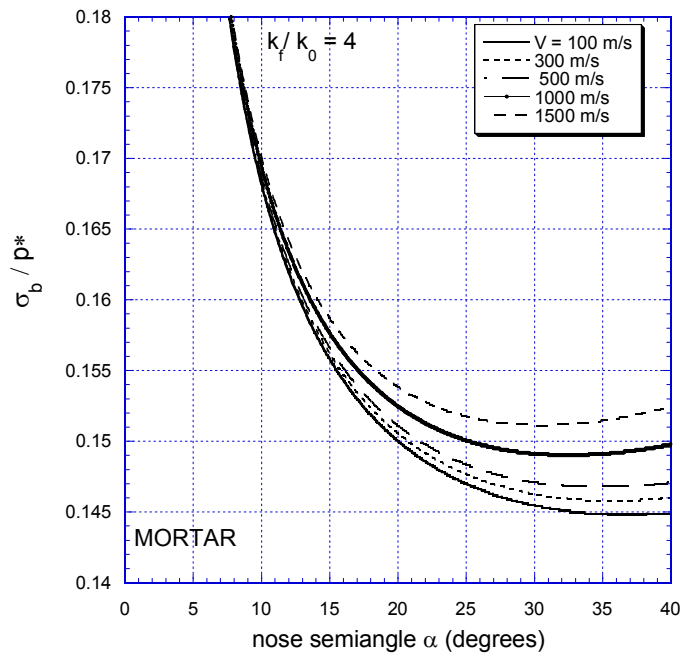


Figure 2: Resistance to penetration σ_b normalized by the locking pressure p^* for different striking velocities.

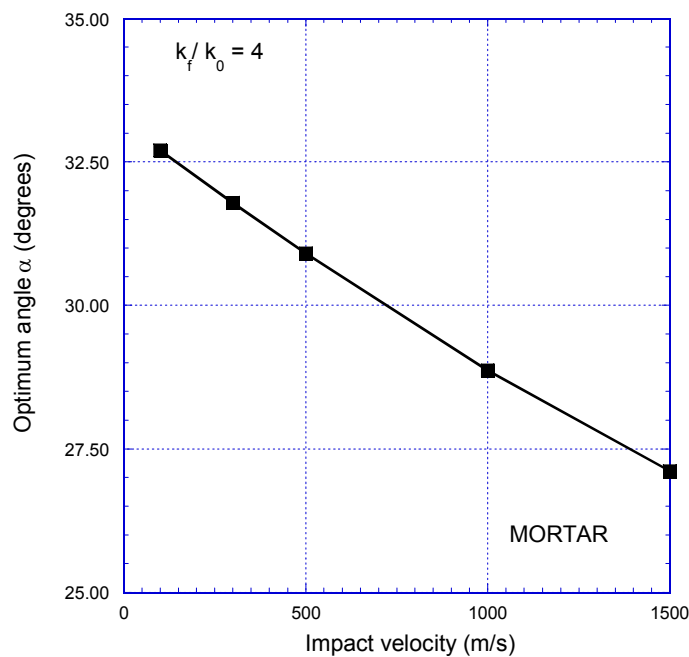


Figure 3: Optimum projectile semi-angle vs. impact velocity.

References

- [1] Cazacu, O. and Cristescu, N. D. *Italian Geotechnical Journal*, **34**, (3), 44-54, 2000.
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