(a) Cutting force (eV/Å) vs. Tool travel distance (Å) for different cases:
- Case 1, monocrystal
- Case 2, 16.9 nm
- Case 3, 14.8 nm
- Case 4, 13.4 nm
- Case 5, 8.4 nm
- Case 6, 6.7 nm
- Case 7, 5.3 nm

(b) Cutting distance (eV/Å) vs. Tool travel distance (Å) for different cases:
- Case 1, monocrystal
- Case 2, 16.9 nm
- Case 3, 14.8 nm
- Case 4, 13.4 nm
- Case 5, 8.4 nm
- Case 6, 6.7 nm
- Case 7, 5.3 nm