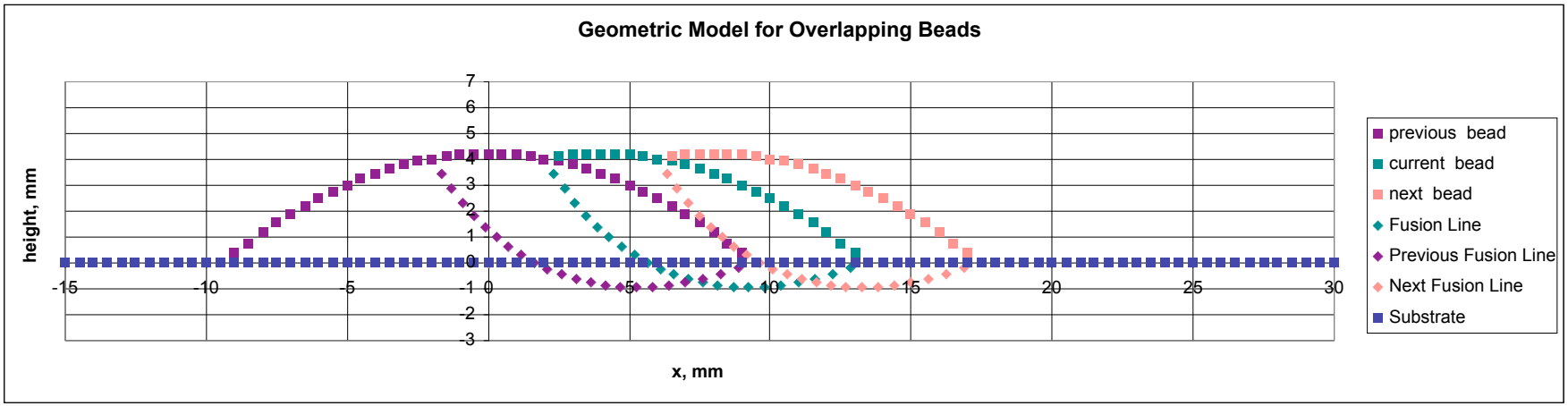

Figure 7.6: - The output of the geometric model for welding condition E (see Table 6.2 – page 121). In agreement with the model, the measured steady-state penetration for this sample was 0.9mm (see Table 6.3 – page 122). The first bead contains the entire steady-state parabola for the bead profile, for the purpose of illustration. The original substrate surface has been included for clarity.

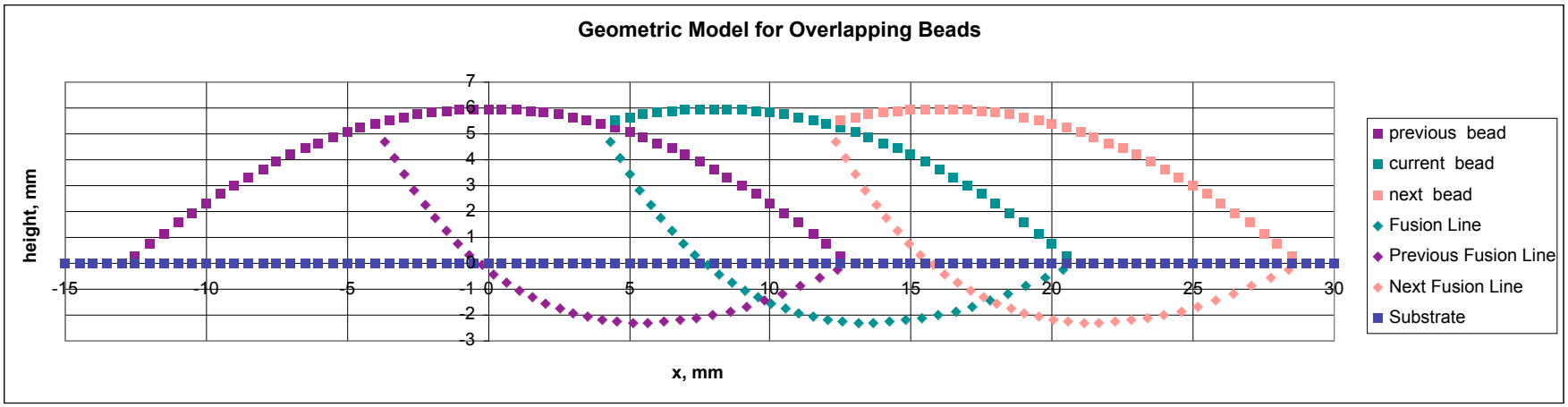

Figure 7.7: - The output of the geometric model for welding condition H (see Table 6.2 – page 121). The measured steady-state penetration for this sample was 1.7mm (see Table 6.3 – page 122) and the output of the model suggests that the average penetration is 2.0mm. This welding condition provides a contrast to that in Figure 7.6. The original substrate surface has been included for clarity.