

Figure 1 : Temporal evolution of maximum non-dimensional temperature (i.e. T_{\max}) for all cases listed in Table 1 with $\phi = 1.0$

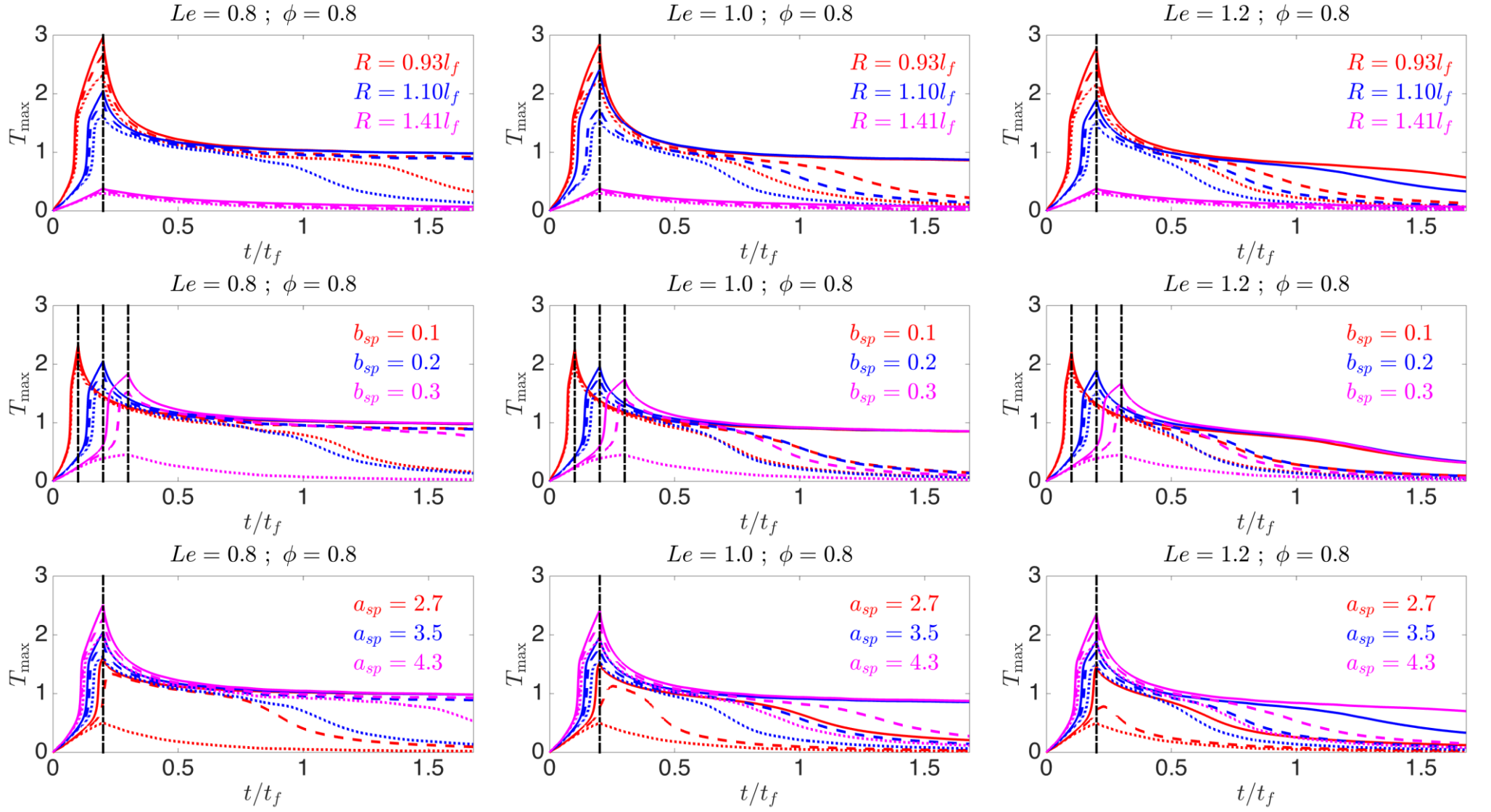


Figure 2 : Temporal evolution of maximum non-dimensional temperature (i.e. T_{\max}) for all cases listed in Table 1 with $\phi = 0.8$

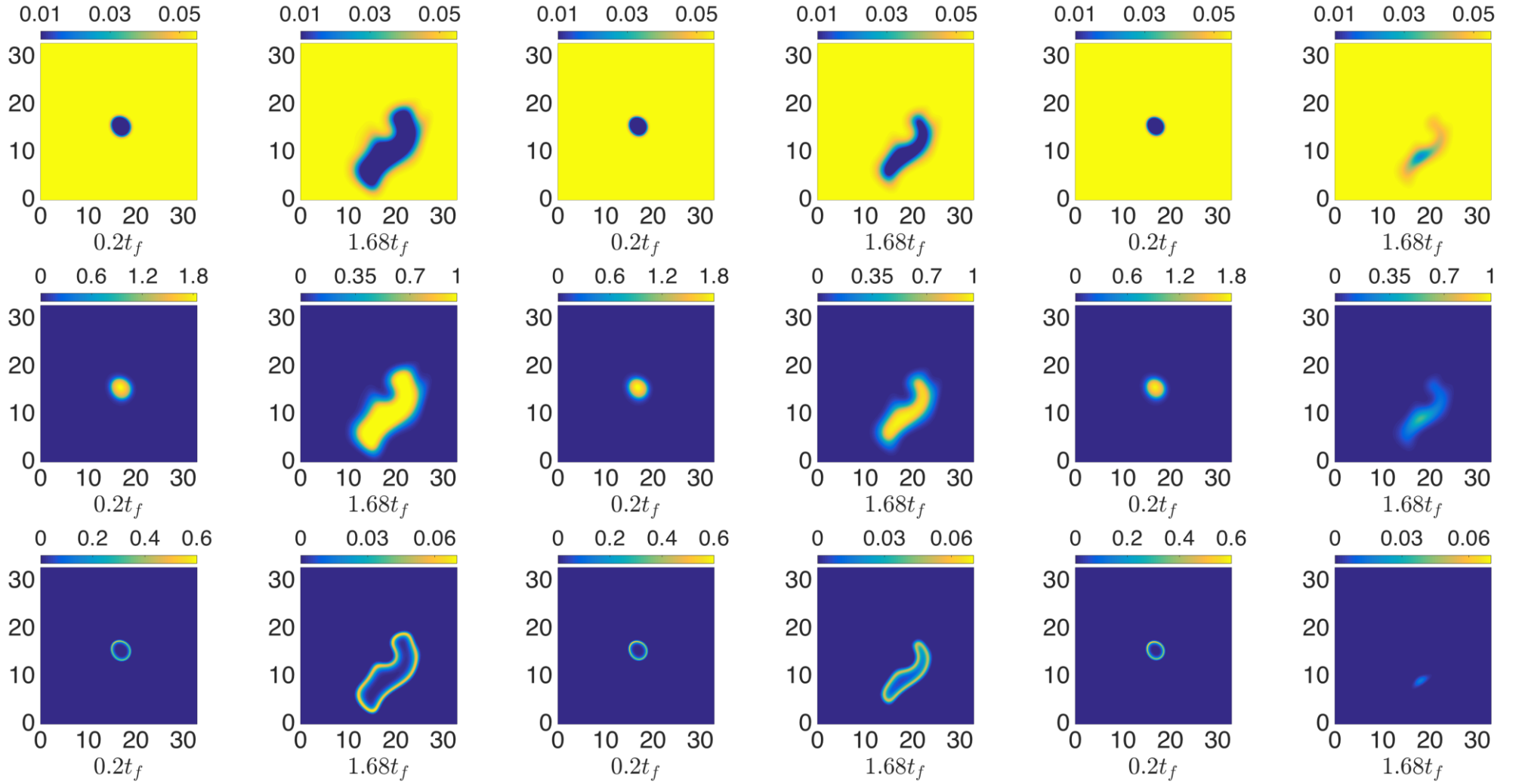


Figure 3 : Distribution of fuel mass fraction (i.e. Y_F - 1st row), non-dimensional temperature (i.e. T - 2nd row) and normalised fuel reaction magnitude (i.e. $|\dot{w}_F|_{\max} \times l_f / \rho_0 S_{b(\phi=1)}$ - 3rd row) with $Le_F = 0.8$ - 1st & 2nd columns, $Le_F = 1.0$ - 3rd & 4th columns and $Le_F = 1.2$ - 5th & 6th columns on central $x_1 - x_2$ plane with domain size $33l_f \times 33l_f \times 33l_f$ for selected cases from Table 1.

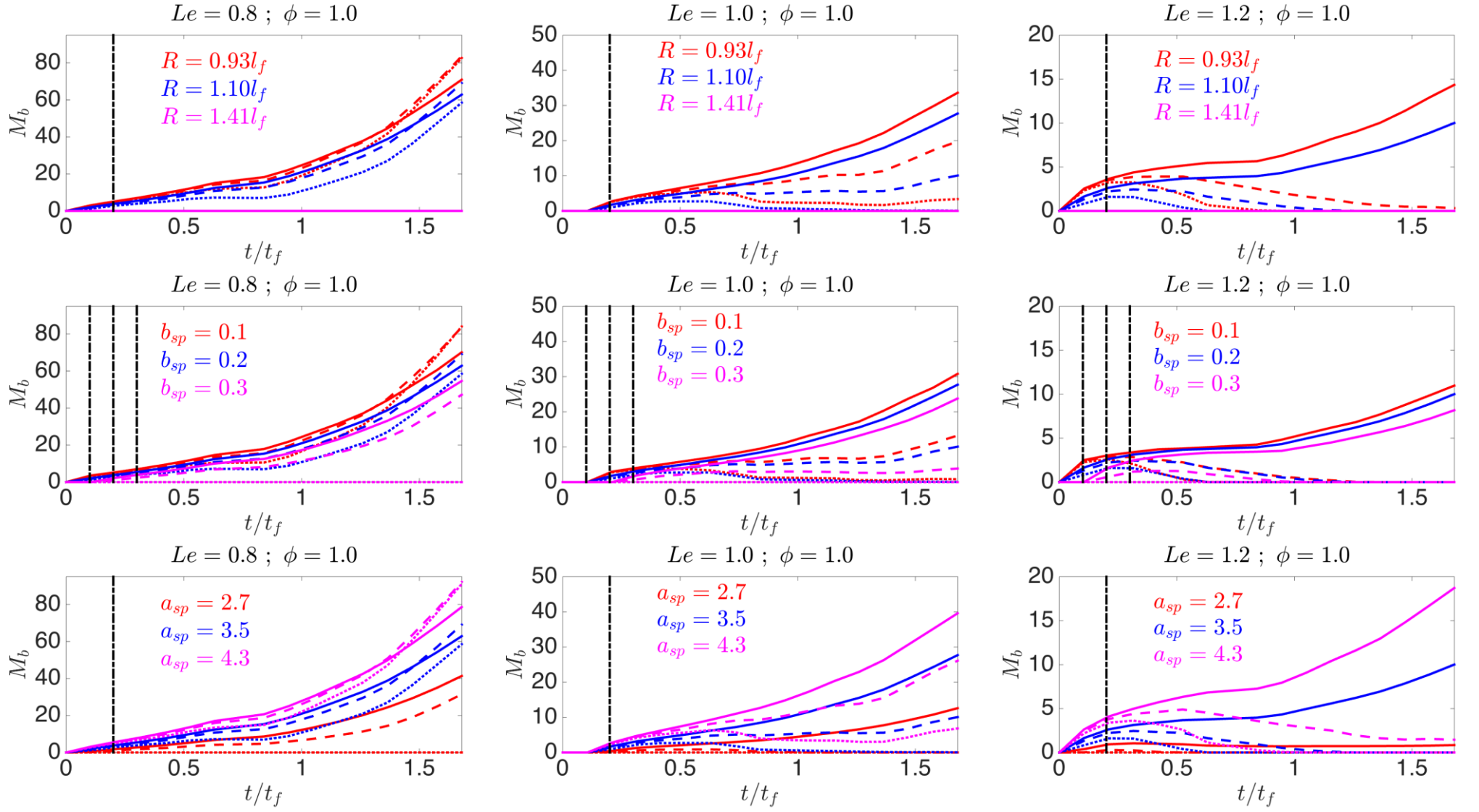


Figure 4 : Temporal evolution of M_b for all cases listed in Table 1 with $\phi = 1.0$

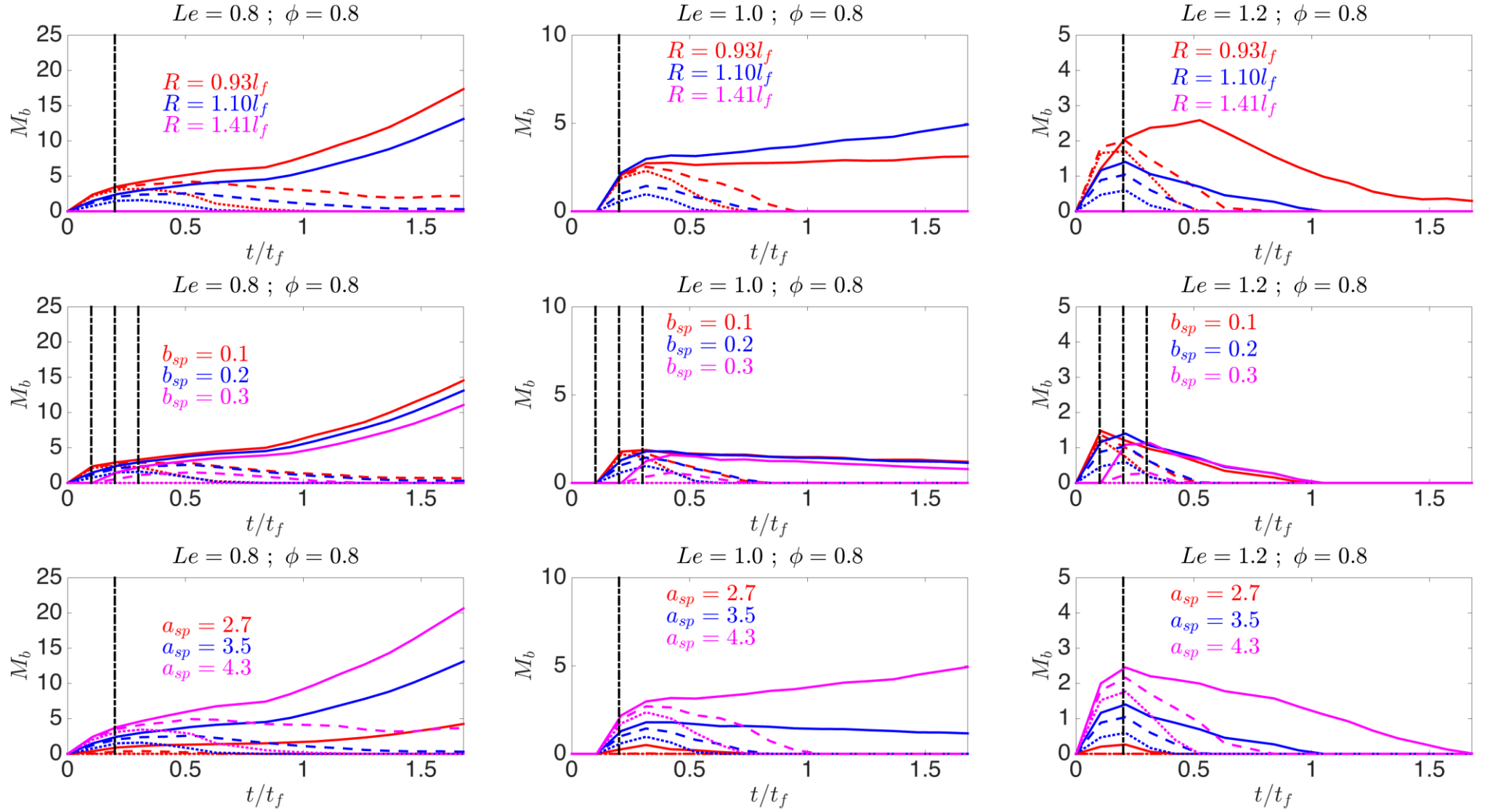


Figure 5 : Temporal evolution of M_b for all cases listed in Table 1 with $\phi = 0.8$

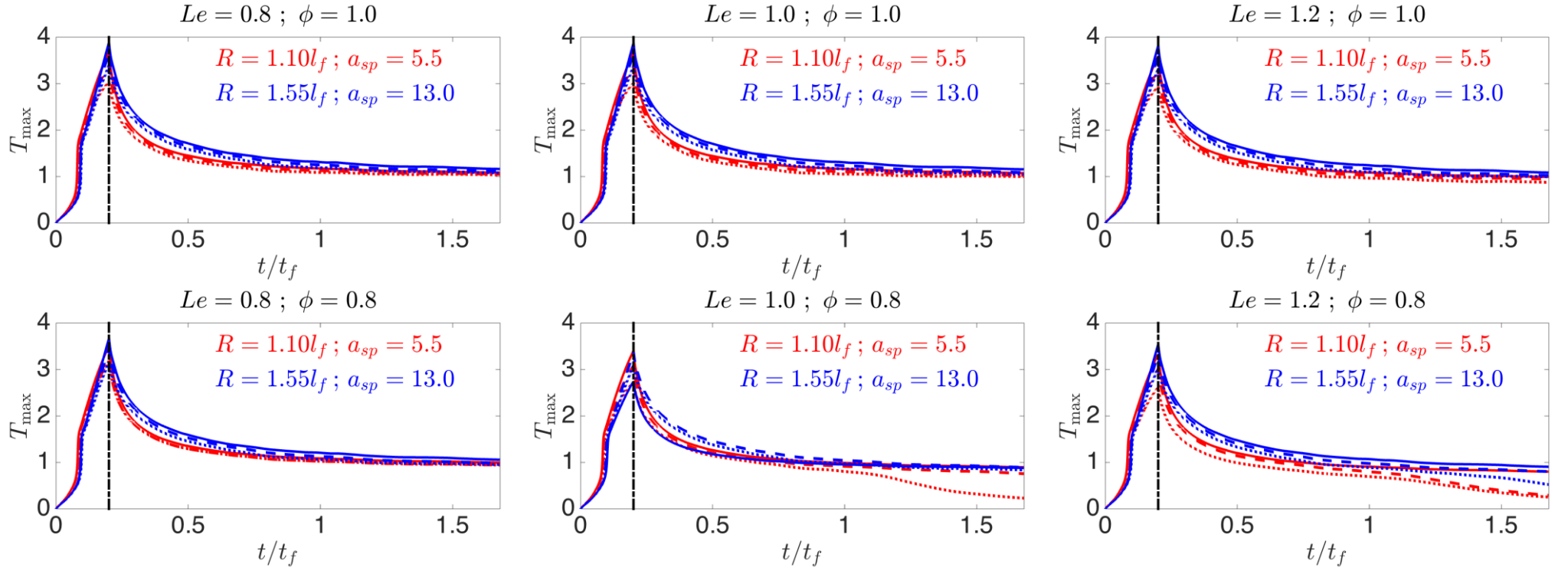


Figure 6 : Temporal evolution of T_{\max} for all cases listed in Table 2 with $\phi = 1.0$ (1st row) and $\phi = 0.8$ (2nd row)

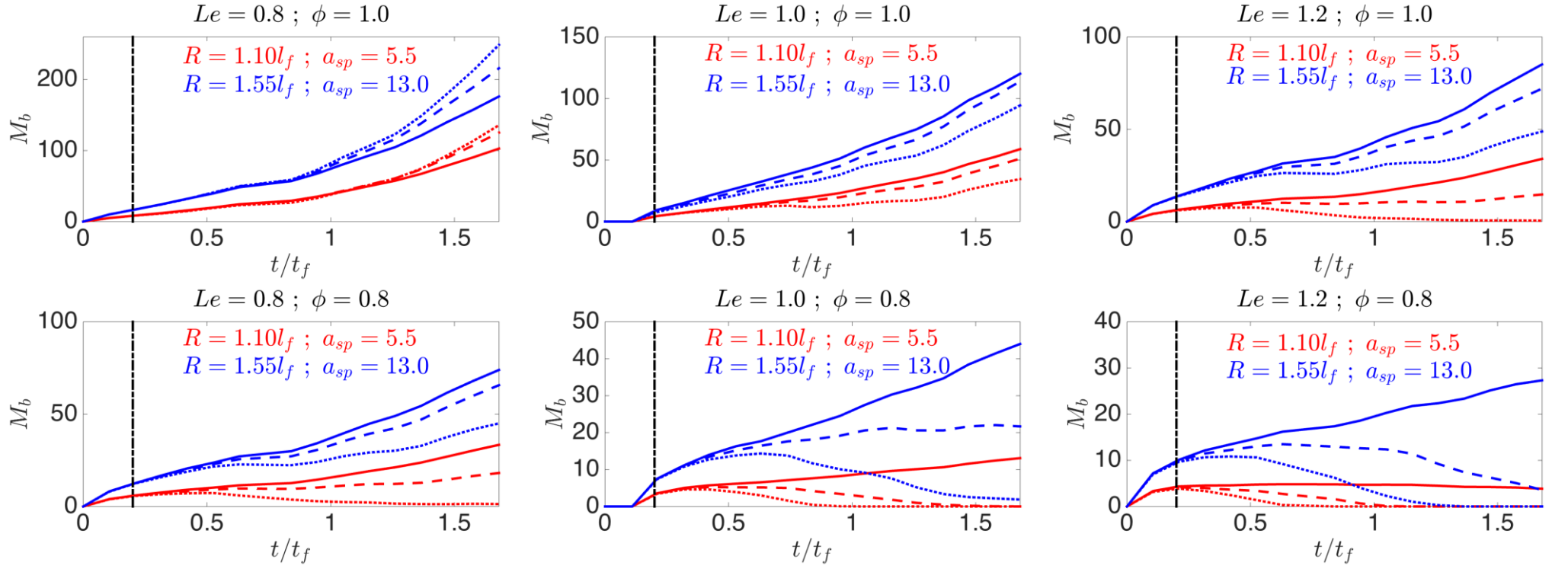


Figure 7 : Temporal evolution of M_b for all cases listed in Table 2 with $\phi = 1.0$ (1st row) and $\phi = 0.8$ (2nd row)