(a)

$\mathcal{E}_1$

10^{-3}

10^{-6}

0 10 20 30

$t\,[\omega_{pe}^{-1}]$

(b)

$|P|$

10^{-3}

10^{-6}

0 10 20 30

$t\,[\omega_{pe}^{-1}]$

(c)

$|\Delta E| \,/\, |E_0|$

10^{-3}

10^{-6}

0 10 20 30

$t\,[\omega_{pe}^{-1}]$

(d) $t = 0$

(e) $t = 15$

(f) $t = 20$

$f(x, v)$

v

0.5

0.0

−0.5

−1 0 1

−1 0 1

−1 0 1

x

20.0

17.5

15.0

12.5

10.0

7.5

5.0

2.5