Curves of Growth
(for $\gamma_{lu} \lambda_{lu} = 7616 \text{ cm s}^{-1}$)

$W \equiv W_{\lambda}/\lambda$

$\tau_{1/2}(b/c) \tau_0$

$b = 20 \text{ km/s}$

$b = 10 \text{ km/s}$

$b = 5 \text{ km/s}$

$b = 2 \text{ km/s}$

$b = 1 \text{ km/s}$

eq. (9.17)

eq. (9.17)

eq. (9.17)

eq. (9.17)

eq. (9.17)

eq. (9.22) with $\gamma \lambda = 7616 \text{ cm s}^{-1}$ (Ly$\alpha$)