

Parameters, characteristic scales	Units	Landscape A	Landscape B (baseline)	Landscape C
K , incision coefficient	a^{-1}	10^{-5}	10^{-6}	10^{-7}
D , diffusion coefficient	$\text{m}^2 \text{a}^{-1}$	10^{-3}	10^{-2}	10^{-1}
U , uplift rate	m a^{-1}	10^{-5}	10^{-4}	2.5×10^{-5}
$l_c = \sqrt{D/K}$, characteristic length	m	10	100	1000
$h_c = U/K$, characteristic height	m	1	100	250
$t_c = 1/K$, characteristic time	a	10^5	10^6	10^7
$A_c = l_c^2$, characteristic area	m^2	10^2	10^4	10^6
$G_c = h_c/l_c$, characteristic gradient	m m^{-1}	0.1	1	0.25
$\kappa_c = S_c/l_c = h_c^2/l_c$, characteristic curvature	m m^{-2}	10^{-2}	10^{-2}	2.5×10^{-4}