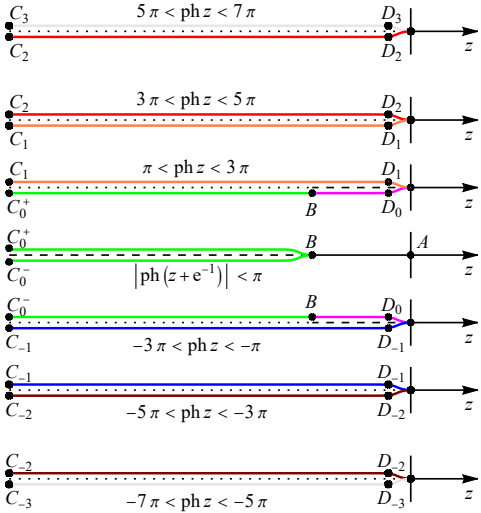
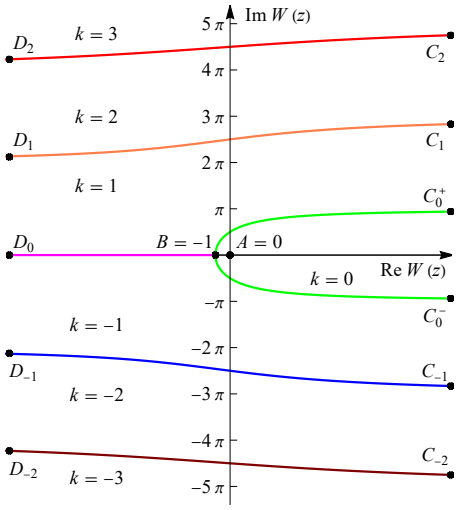

$C_3$
$5\pi < \mathrm{ph}\, z < 7\pi$
$D_3$
$C_2$
$D_2$
$z$
$C_2$
$3\pi < \mathrm{ph}\, z < 5\pi$
$D_2$
$C_1$
$D_1$
$z$
$C_1$
$\pi < \mathrm{ph}\, z < 3\pi$
$D_1$
$C_0^+$
$B$
$D_0$
$z$
$C_0^+$
$B$
$A$
$C_0^-$
$\left|\mathrm{ph}\left(z+\mathrm{e}^{-1}\right)\right| < \pi$
$z$
$C_0^-$
$B$
$D_0$
$C_{-1}$
$-3\pi < \mathrm{ph}\, z < -\pi$
$D_{-1}$
$z$
$C_{-1}$
$D_{-1}$
$C_{-2}$
$-5\pi < \mathrm{ph}\, z < -3\pi$
$D_{-2}$
$z$
$C_{-2}$
$D_{-2}$
$C_{-3}$
$-7\pi < \mathrm{ph}\, z < -5\pi$
$D_{-3}$
$z$


$\mathrm{Im}\, W(z)$
$5\pi$
$4\pi$
$3\pi$
$2\pi$
$\pi$
$-\pi$
$-2\pi$
$-3\pi$
$-4\pi$
$-5\pi$
$\mathrm{Re}\, W(z)$
$D_2$
$k = 3$
$C_2$
$D_1$
$k = 2$
$C_1$
$k = 1$
$C_0^+$
$D_0$
$B = -1$
$A = 0$
$k = 0$
$C_0^-$
$k = -1$
$D_{-1}$
$C_{-1}$
$k = -2$
$D_{-2}$
$C_{-2}$
$k = -3$