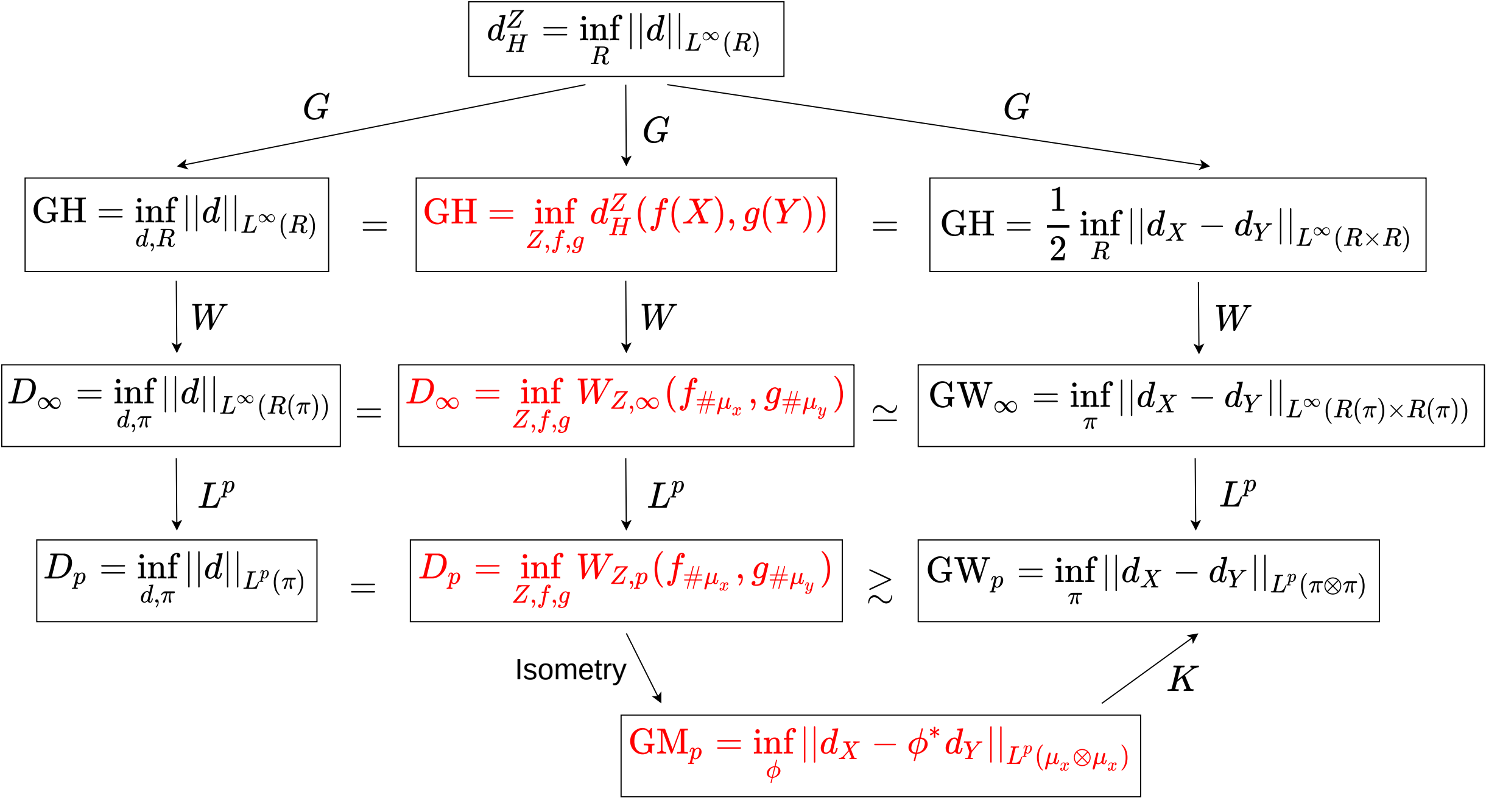
$d_H^Z = \inf_R ||d||_{L^\infty(R)}$
G
G
G
$\mathrm{GH} = \inf_{d,R} ||d||_{L^\infty(R)}$
$=$
$\mathrm{GH} = \inf_{Z,f,g} d_H^Z(f(X), g(Y))$
$=$
$\mathrm{GH} = \frac{1}{2} \inf_R ||d_X - d_Y||_{L^\infty(R\times R)}$
W
W
W
$D_\infty = \inf_{d,\pi} ||d||_{L^\infty(R(\pi))}$
$=$
$D_\infty = \inf_{Z,f,g} W_{Z,\infty}(f_{\#\mu_x}, g_{\#\mu_y})$
$\simeq$
$\mathrm{GW}_\infty = \inf_\pi ||d_X - d_Y||_{L^\infty(R(\pi)\times R(\pi))}$
L^p
L^p
L^p
$D_p = \inf_{d,\pi} ||d||_{L^p(\pi)}$
$=$
$D_p = \inf_{Z,f,g} W_{Z,p}(f_{\#\mu_x}, g_{\#\mu_y})$
$\gtrsim$
$\mathrm{GW}_p = \inf_\pi ||d_X - d_Y||_{L^p(\pi\otimes\pi)}$
Isometry
K
$\mathrm{GM}_p = \inf_\phi ||d_X - \phi^* d_Y||_{L^p(\mu_x\otimes\mu_x)}$