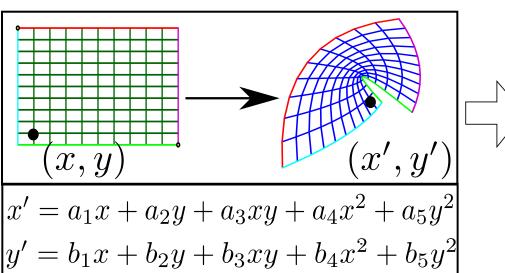
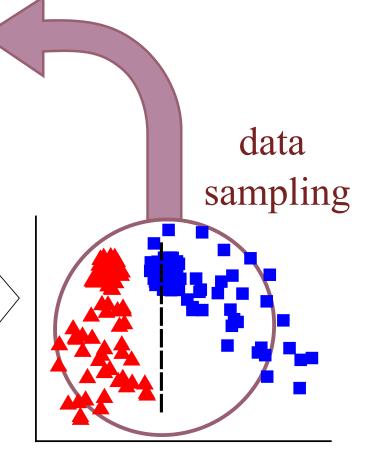


general domain shift learning

high demand on target-domain data!





source domain

first principle governed domain shift

target domain

transform existing source-domain data

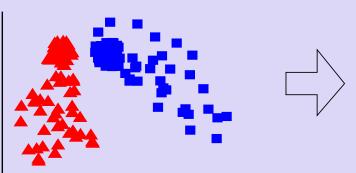


first principle fitting using limited data

$$a_1 = 1, a_2 = 0, a_3 = 0, a_4 = 1, a_5 = -1$$

 $b_1 = 0, b_2 = 0, b_3 = 2, b_4 = -1, b_5 = 0$

PhyAug





training data

augmented target-domain

transfer existing DNN



