

	method	# sub	the object of PCA	linearity	$f$	$h$
	sampling geodesic flow	a set	original samples	linear	NN	SURF
	geodesic flow kernel	a set	original samples	non-linear	1-NN	SURF
	mercer kernel	a set	kernel Gram matrix	non-linear	NN	SURF
	dictionary learning	a set	original samples	linear	SVM	dictionary
	subspace alignment	2	original samples	linear	1-NN, SVM	SURF, dense SIFT