connect infinitesimally close tangent	spaces, fibers, Klein geometry, etc.	
	Affine connection	Linear connection (connection on a vector bundle)
principal connection		Koszul connection
Cartan connection	Codazzi connection totally symmetric $C = \nabla g$	Conjugate statistical connection
equiaffine connection (for a parallel volume form $\omega, \nabla \omega = 0$)	Statistical connection (torsion free)	Conjugate symmetric
	Levi-Civita connection $\bar{\nabla}$ (for a metric $g, \bar{\nabla}g = 0$)	Dual connection connection on fiber bundle
projective connection		
conformal connection	Ehresmann connection	
		principal connections
Contact projec	tive connections	
Parabolic Cartan connections		