#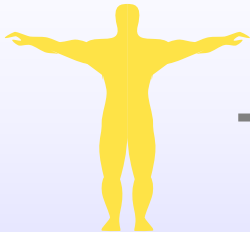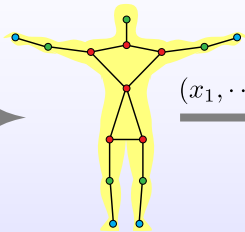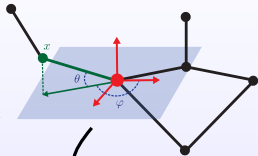 pose descriptor extraction