1. Finished reading the basic knowledge about the Kriging algorithm
   1. Deduced most formula in Kriging
   2. Something still don’t know:
      1. What are the differences between the correlation function between Y(1) and Y(2) and the joint probability density function between Y(1) and Y(2).
      2. Why the joint probability density function is consumed to be gauss distribution?
      3. As the correlation between the sample data reflects our expectation that engineering function will behave in a certain way and it will be smooth and continuous while that’s not been proved yet, why shall we still use it?
2. I prepared for coding the Kriging algorithm
   1. Design the structure of programming code which includes
      1. Main function: Just for test, call dacefit and prediction function
      2. dacefit function:
         1. input: S, Y, lower bound and upper bound of theta
         2. output: return a structure contained S, Y, theta, correlation matrix R and the Cholesky factorization U
      3. prediction function:
         1. input: point to be predicted
         2. output: the value at given point