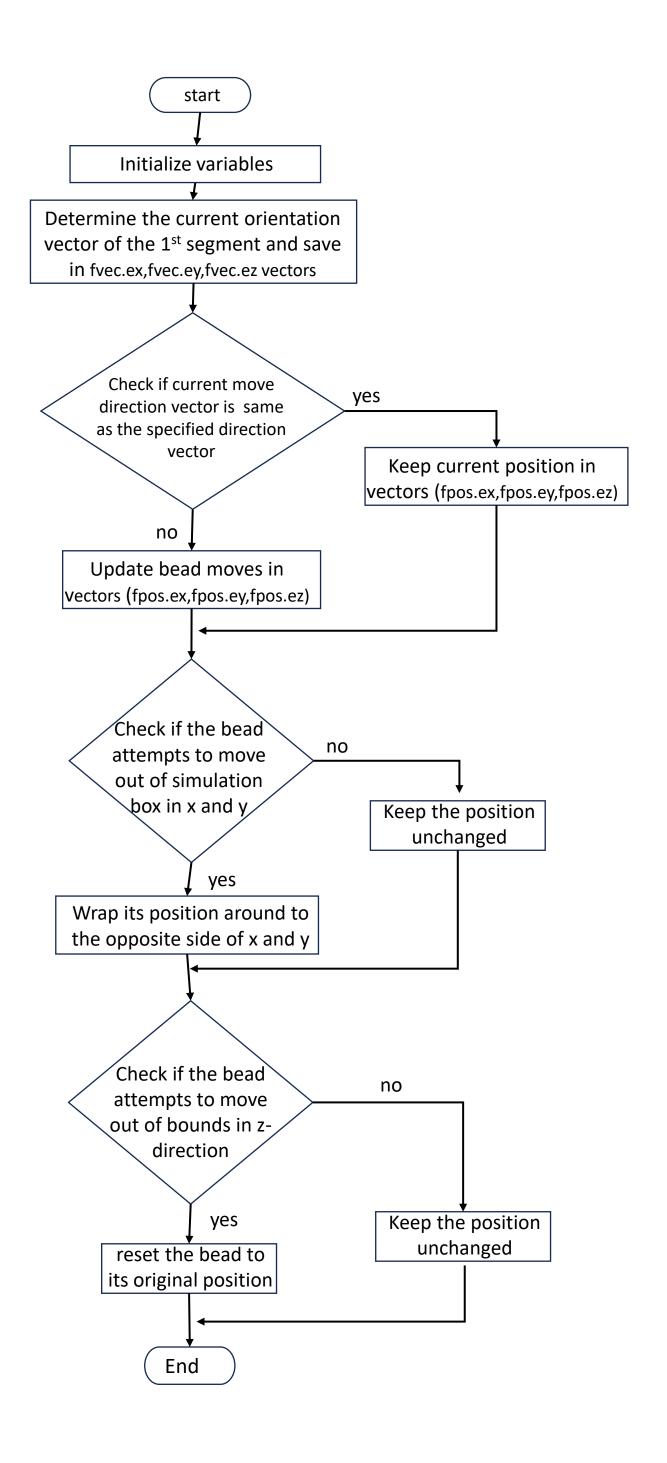
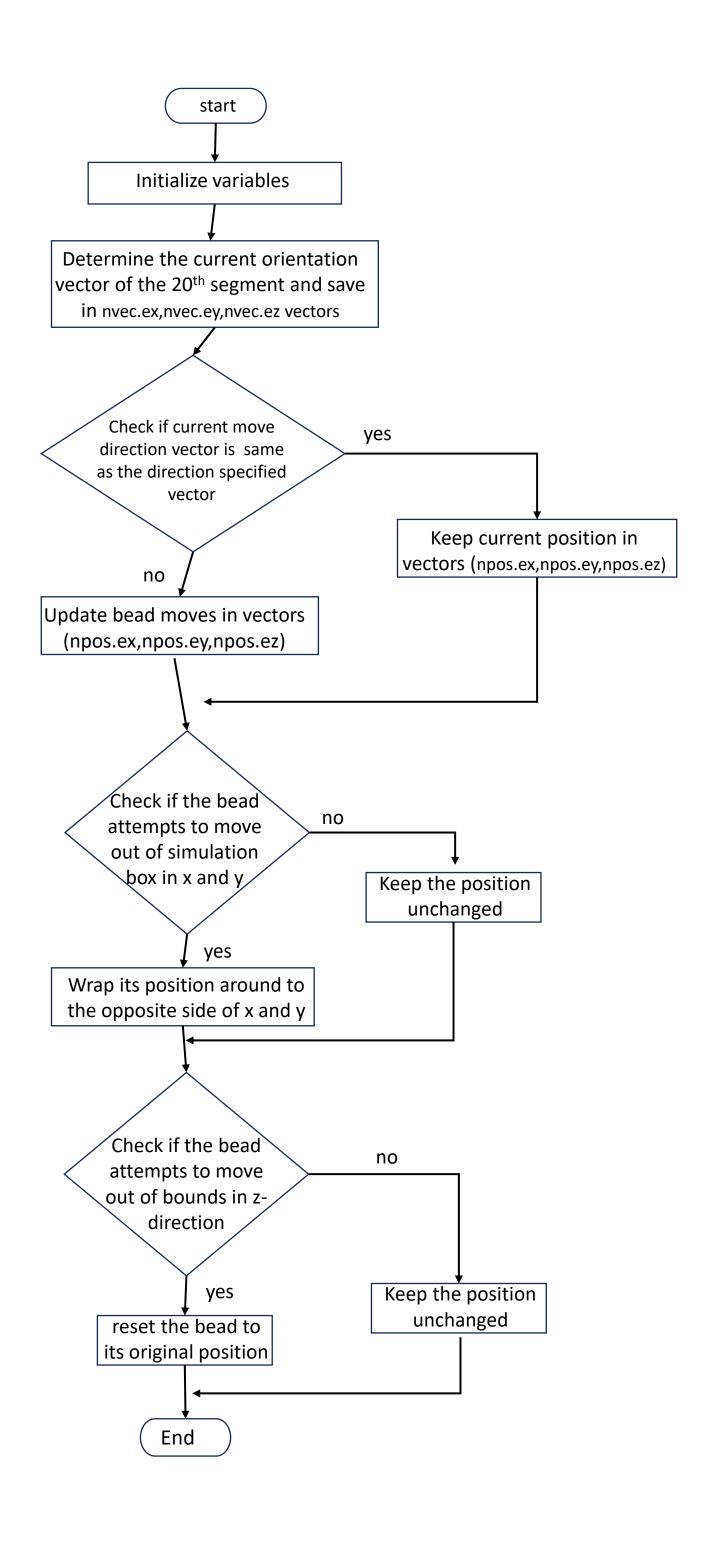


fmoves(int cnum,int r)

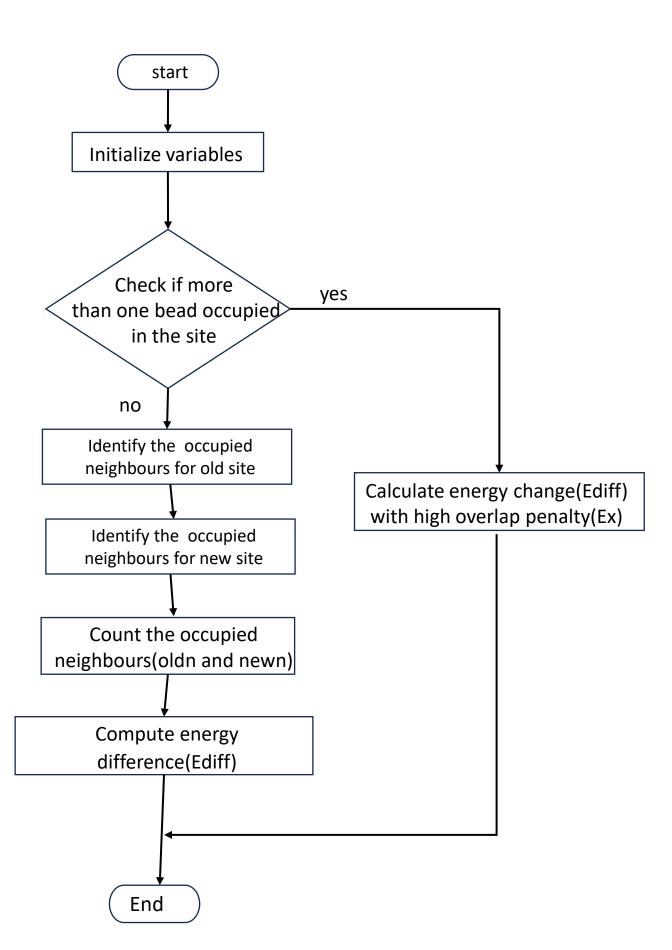


nmoves(int cnum,int r)

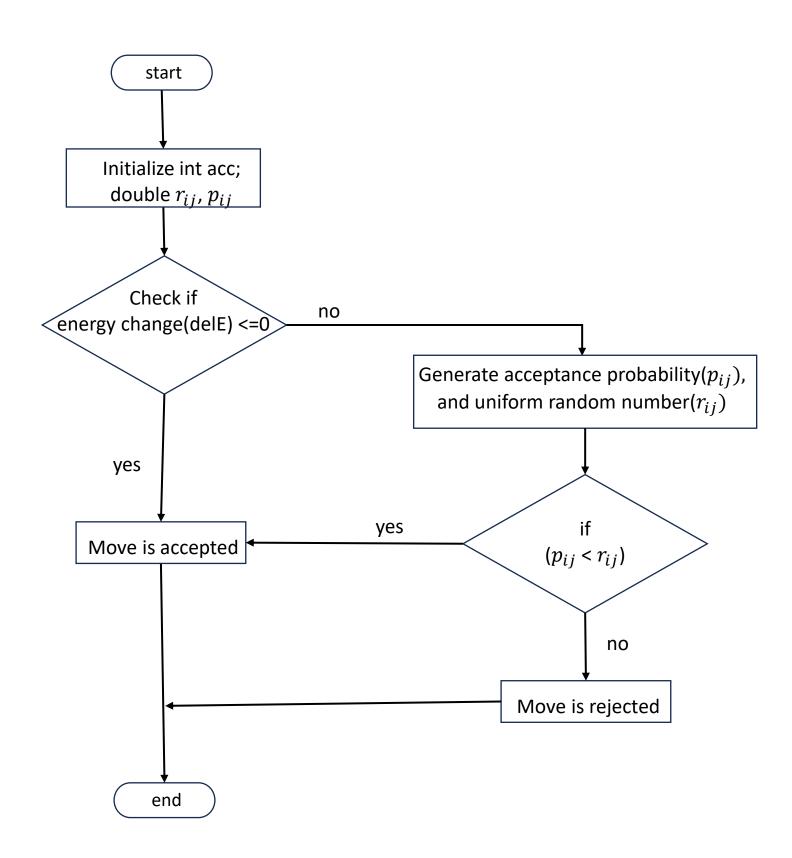


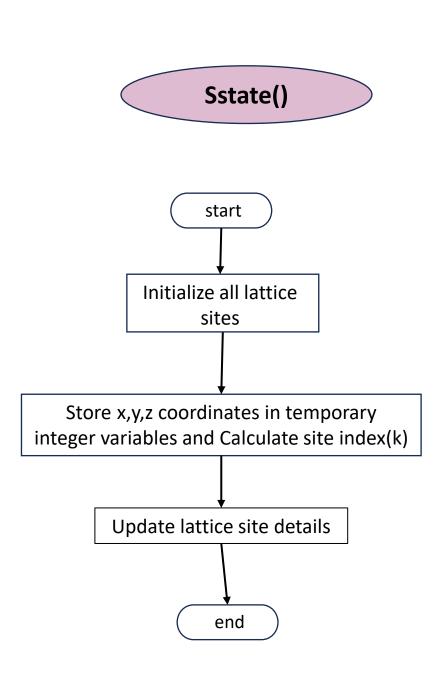
kmoves(int cnum,int k) start Initialize variables Determine the current orientation vector of the k^{th} segment and save in vec1.ex,vec1.ey,vec1.ez Determine the current orientation vector of the k-1th segment and save in vec2.ex,vec2.ey,vec2.ez Compute the dot product between two vectors(vec1,vec2) Check for a kink move no (dot product = 0) yes Keep current position in kpos.ex,kpos.ey,kpos.ez Update bead moves in kpos.ex,kpos.ey,kpos.ez Check if the bead no attempts to move out of simulation box in x and y Keep the position unchanged yes Wrap its position around to the opposite side of x and y Check if the bead no attempts to move out of bounds in zdirection yes Keep the position unchanged reset the bead to its original position End

deltaE(int olds,int news)

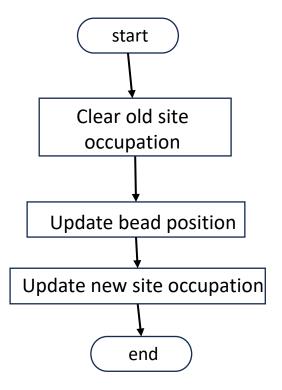


metrop(double delE)

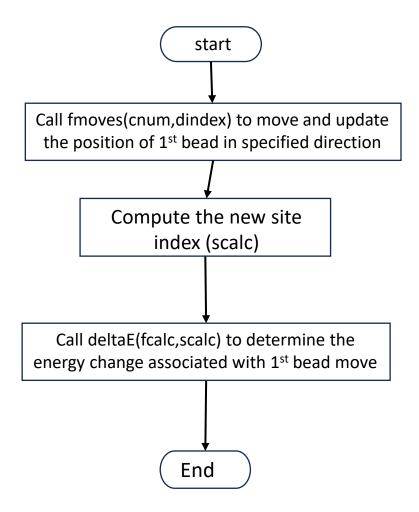




accmov(int cnum,int bnum,int pcalc,int scalc,struct vec mpos)



fmeval(int cnum,int dindex,int fcalc)



lmeval(int cnum,int dindex,int lcalc)

