Algorithms of this project:

Oxygen Levels in Atmosphere

Step 1: start

Step 2: mathematical method

Step 3: numerical analysis (newton backward interpolation formula)

Formula: F(x)=Yn+(u\*nabla5)+((u\*(u+1)\*nabla2y4)/2!)+((u\*(u+1)\*(u+2)\*nabla3y3)/3!)+((u\*(u+1)\*(u+2)\*(u+3)\*nabla4y2)/4!)+((u\*(u+1)\*(u+2)\*(u+3)\*(u+4)\*nabla5y1)/5!)+((u\*(u+1)\*(u+2)\*(u+3)\*(u+4)\*(u+5)\*nabla6y0)/6!)

Step 4: implementation

Step 5: validation -

if (validation is correct)

application process

// end validation

stop application

else if (validation is wrong)

improve algorithm

else if (improve algorithm is wrong)

change method

else (change method is wrong)

modify formula

application process

// end validation

stop application

Step 6: Stop