```
#include<iostream>
#include<cmath>
using namespace std;
double newt(double, double);

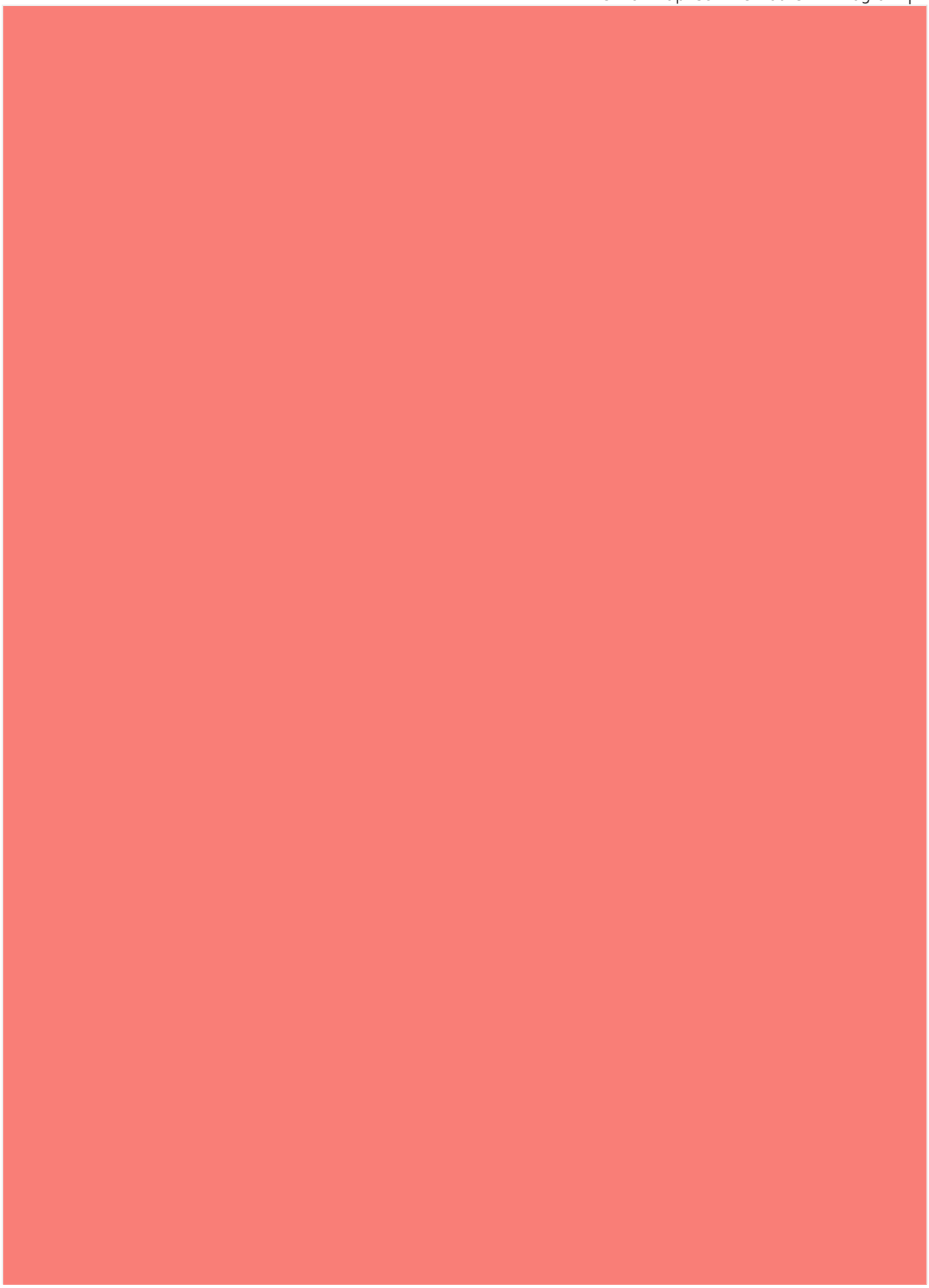
int main(){
        double guess1=10, guess2=-10, accuracy=0.1;
        double result1=newt(guess1,accuracy);
        double result2=newt(guess2,accuracy);
        cout<<"The roots are"<<'\t'<<result1<<","<<'\t'<<result2<<endl;
        return 0;
}
double newt(double xn, double accu){
        double temp;
        double f=(6*xn*xn)-(17*xn)-14;
        double fdash=(12*xn)-17;
        double xnplus1=xn-(f/fdash);
        temp=xn;
        xn=xnplus1;
        if(abs(temp-xn)>=accu){
                return newt(xn, accu);
        }
        return xn;
}
```

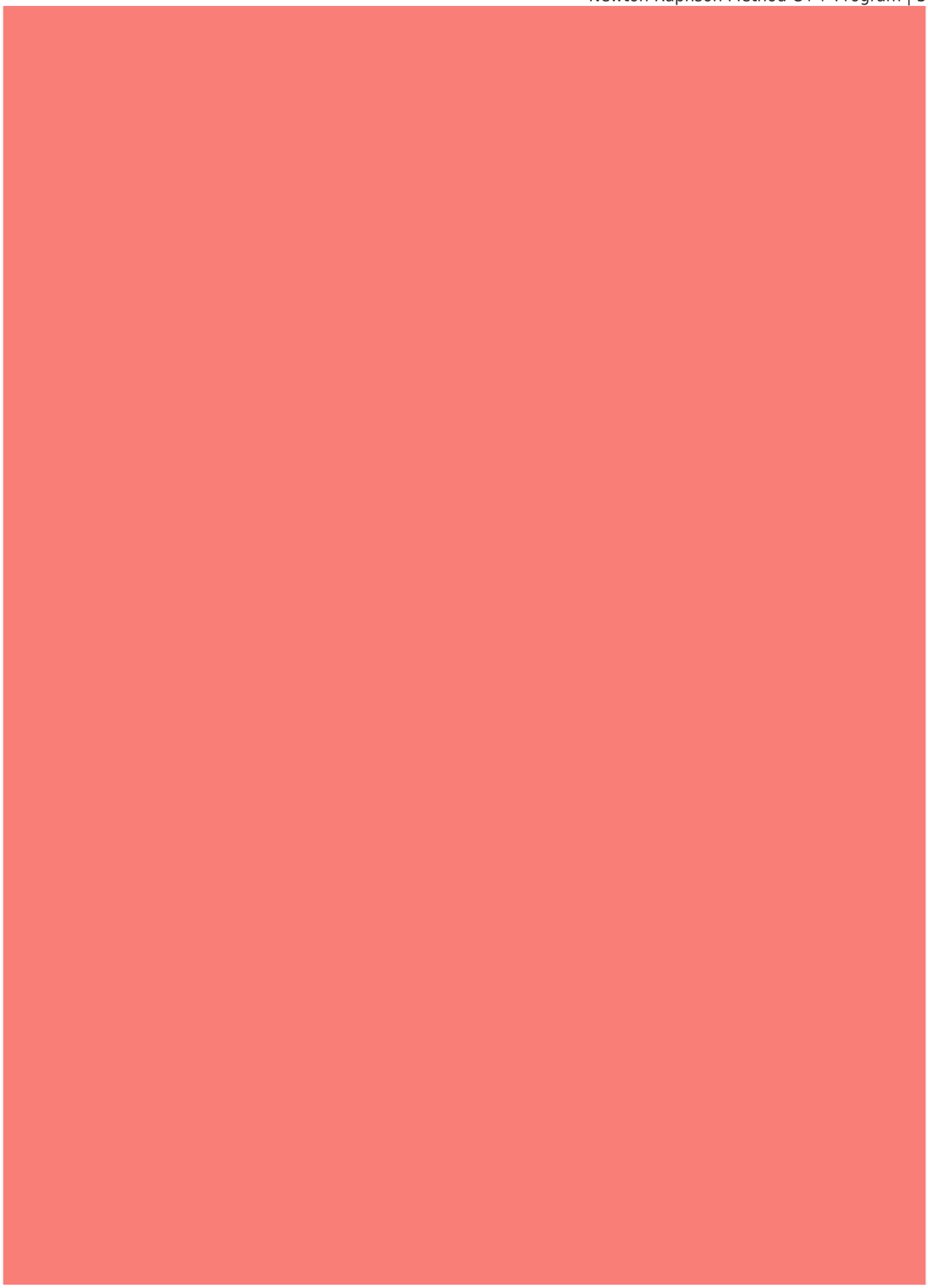


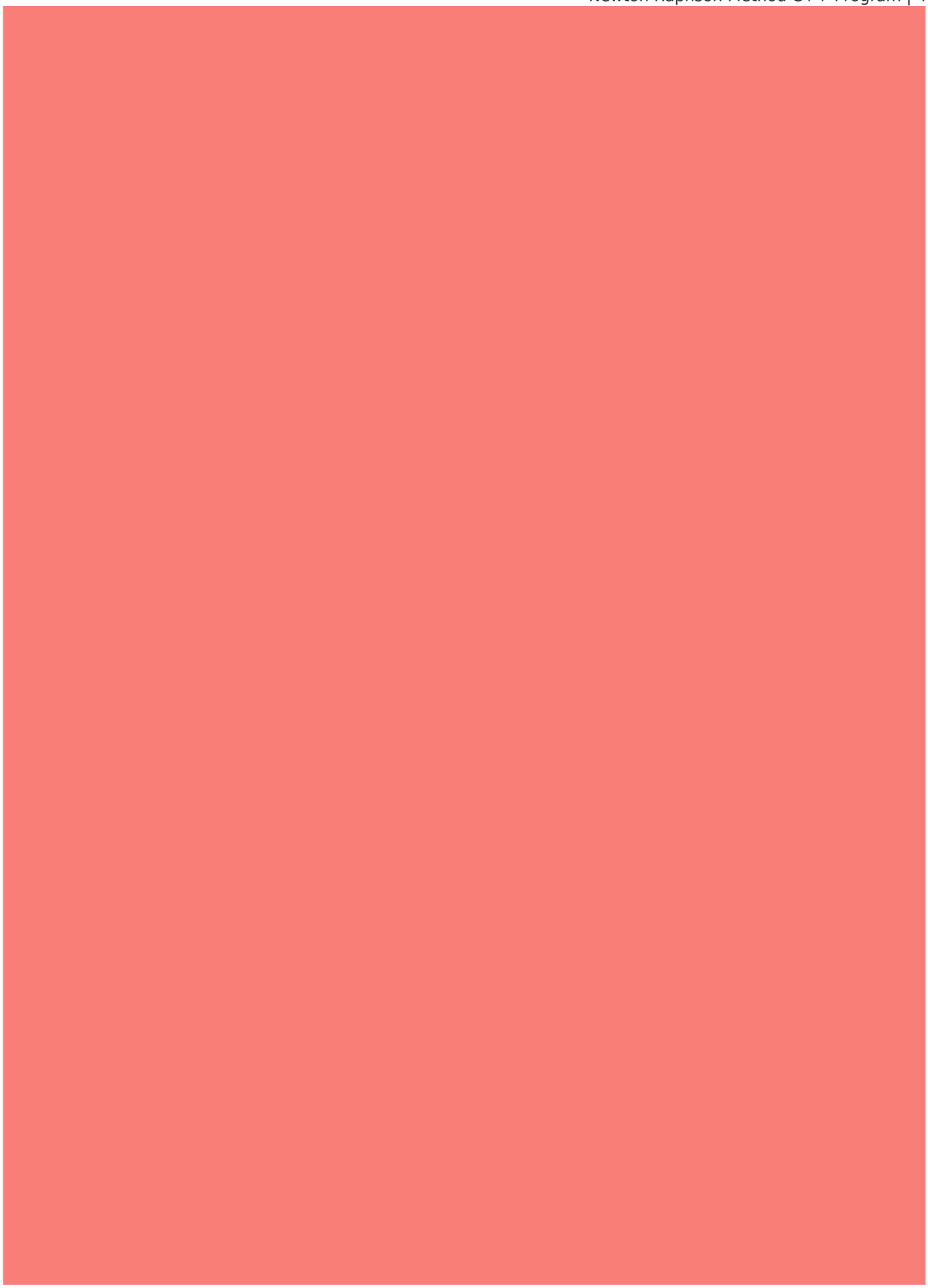
Manas Sharma

I’m a physicist specializing in computational material science with a PhD in Physics from Friedrich-Schiller University Jena, Germany. I write efficient codes for simulating light-matter interactions at atomic scales. I like to develop Physics, DFT, and Machine Learning related apps and software from time to time. Can code in most of the popular languages. I like to share my knowledge in Physics and applications using this Blog and a YouTube channel.

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