Tính RMS khi chưa có %C

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 750

[0.34792241 0.68647651 0.72310096 0.93629589 0.70229979]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 800

[0.55249434 1.07390642 0.94150146 1.39780185 1.26160612]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 850

[1.17554243 0.99192994 0.87206651 1.047676 0.98513958]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 900

[1.93704027 2.17050685 2.58653726 2.45561601 1.82061116]

Tính RMS khi có %C

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 750

[0.68718265 1.72725794 5.5963631 6.93337869 7.43690527]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 800

[1.06122571 1.13213957 3.41917534 5.43625423 6.71426243]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 850

[2.35821967 1.0631839 4.94988687 3.99331692 4.21640605]

E:\VANLANH\NCS\Newton-Raphson>python calculate\_RMS.py -T2 900

[5.01775647 2.57127595 2.86001049 3.71150374 3.49699585]

Vẽ đồ thị ở 750oC

E:\VANLANH\NCS\Newton-Raphson>python plot\_graph.py -T2 750

% C: [39.16702438 33.88629242 24.86982805 21.50503442 20.33131369]

% H2: [5.03771075 5.0186431 5.9679755 5.26447056 5.02111647]

% CO: [17.08743353 17.79718297 19.67671173 17.37103873 17.26609874]

% CO2: [1.58061409 1.01126811 1.92073341 2.36173569 2.85702056]

% CH4: [4.33141413 6.90188773 7.93738866 5.24659319 4.43657878]

Vẽ đồ thị ở 800oC

E:\VANLANH\NCS\Newton-Raphson>python plot\_graph.py -T2 800

% C: [38.50465285 34.75778563 28.39093527 23.37159506 20.10161561]

% H2: [5.11352785 5.77019749 5.84157496 5.68422054 5.14355574]

% CO: [17.30213955 17.28345835 19.75185723 18.50732441 17.02895255]

% CO2: [1.16494617 2.07286483 2.63264543 1.51345728 2.7191094 ]

% CH4: [4.81098759 7.32476988 7.20775049 4.29210544 4.89229321]

Vẽ đồ thị ở 850oC

E:\VANLANH\NCS\Newton-Raphson>python plot\_graph.py -T2 850

% C: [39.41501854 32.49068207 21.56907929 21.62190587 20.18488755]

% H2: [5.08576989 5.2561316 5.9957132 5.10486865 5.14493301]

% CO: [17.16922401 18.41028853 19.90640974 19.20107575 17.29173159]

% CO2: [1.12715934 2.93364552 1.87193752 2.268908 2.67180162]

% CH4: [4.28086247 6.09707368 7.85711581 6.57403446 4.95823148]

Vẽ đồ thị ở 900oC

E:\VANLANH\NCS\Newton-Raphson>python plot\_graph.py -T2 900

% C: [39.62674883 24.83402864 24.43635271 20.80909444 20.18488755]

% H2: [5.04246722 5.93173777 5.82368244 5.77605342 5.14493301]

% CO: [17.89981572 17.0705288 19.36065453 17.79894039 17.79894039]

% CO2: [1.03102012 2.34135607 2.91092466 2.27806249 2.63946882]

% CH4: [4.06819798 7.58606124 7.32556757 4.89066417 4.89066417]

Xây dựng ptr hồi quy n1

E:\VANLANH\NCS\Newton-Raphson>python regression.py -n\_i n1

[-1.57800614e-02 -9.52413197e+01] 69.09388468296781 0.862739675781923

n1 = -1,578.10-2 T2 – 95,24 ER + 69,094

R2 = 0.86

Xây dựng ptr hồi quy n2

E:\VANLANH\NCS\Newton-Raphson>python regression.py -n\_i n2

[0.0, 0.005587302293644806, 42.868760587234206, -2.234053810541356e-06, -0.001988761995570993, -68.54419633890181] -3.5302368692926818 0.6392148374813633

n2= 0,0056T2 + 42,8688.ER - 0,002.T2.ER - 68,544.ER2 – 3,53

R2 = 0.64

Xây dựng ptr hồi quy n3

E:\VANLANH\NCS\Newton-Raphson>python regression.py -n\_i n3

[0.0, 0.08907364858532138, 93.18979905245412, -5.450232370114716e-05, 0.008578938347411602, -165.30308733250692] -32.54723954973254 0.537634614990385

n3= 0,089.T2 + 93,19.ER + 0,0086.T2.ER - 165,3.ER2 – 32,55

R2 = 0,54

Xây dựng ptr hồi quy n4

E:\VANLANH\NCS\Newton-Raphson>python regression.py -n\_i n4

[2.07152393e-03 6.01517514e+00] -1.418125822452052 0.47138620014477717

n4 = 2,07.10-3.T2 + 6,02 ER – 1,42

R2 = 0,47

Xây dựng ptr hồi quy n6

E:\VANLANH\NCS\Newton-Raphson>python regression.py -n\_i n6

[0.0, 0.015769039034955596, 134.08480754328744, -1.3604137963720703e-05, 0.023541014391113852, -258.7883942698961] -19.379061632839417 0.6547198441209103

n6= 0,016.T2 + 134,08.ER + 0,024.T2.ER – 258,79.ER2 –19,38

R2 = 0,65