**HW#7**

**P8-7**

**(a)**

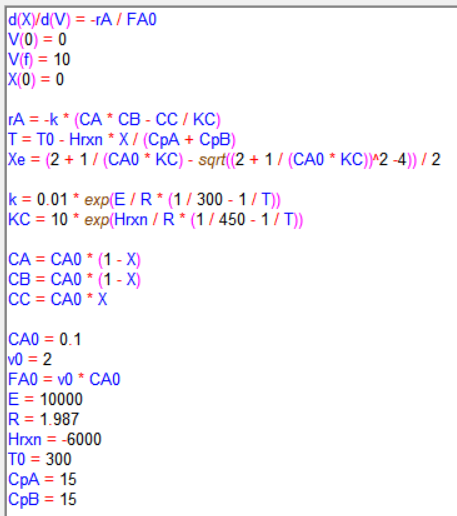


Figure 1. Polymath coding

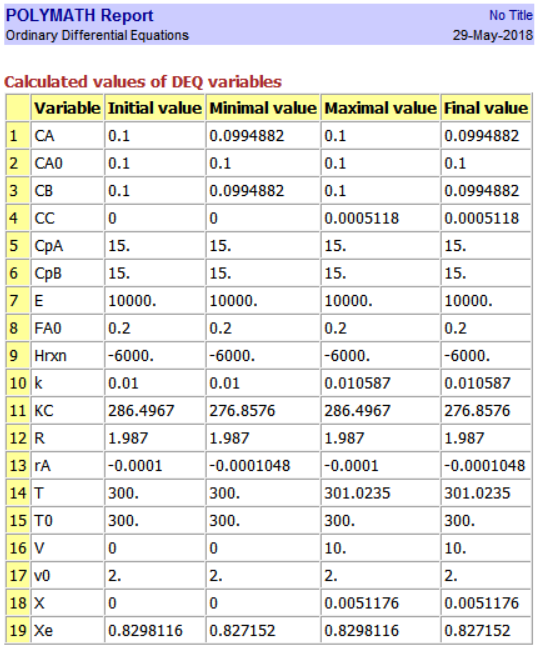


Figure 2. Polymath report

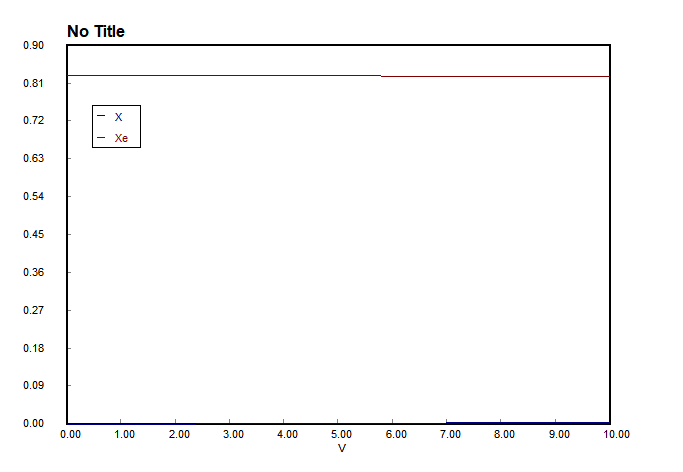


Figure 3. Graph for V and X, Xe (V up to 10 L)

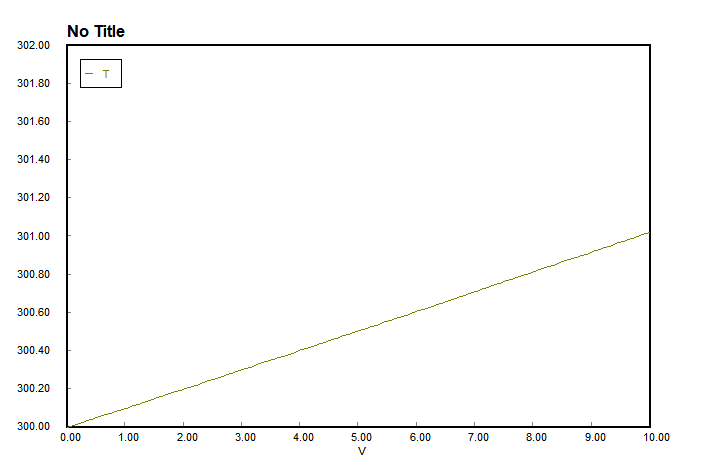


Figure 4. Graph for V and T (V up to 10 L)

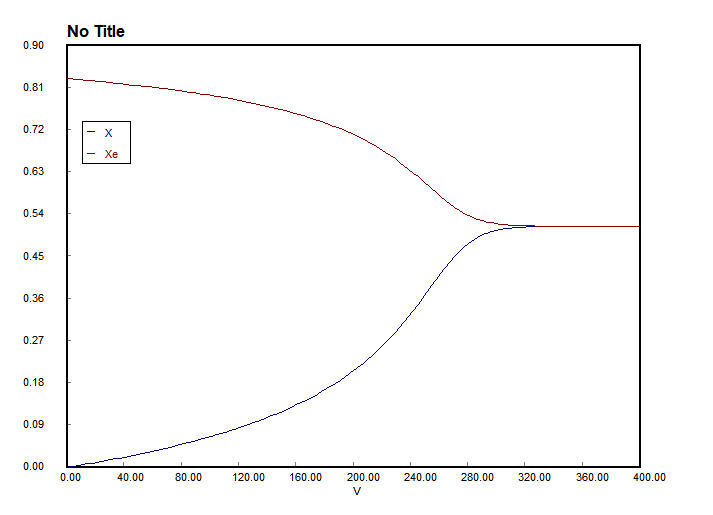


Figure 5. Graph for V and X, Xe (V up to 400 L)

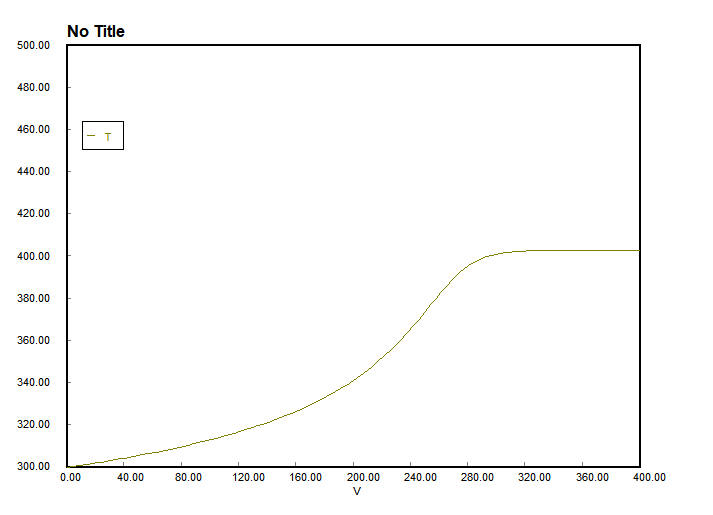


Figure 6. Graph for V and T (V up to 400 L)

**(b)**

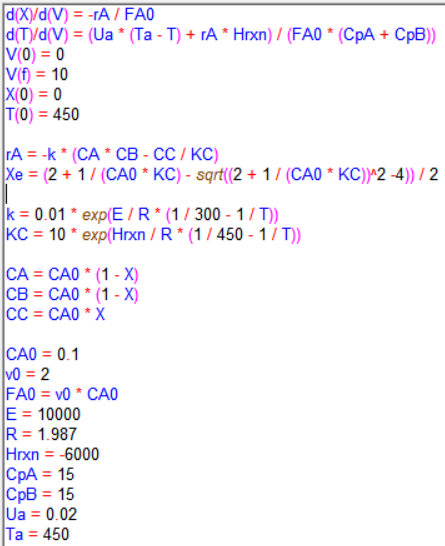


Figure 7. Polymath coding

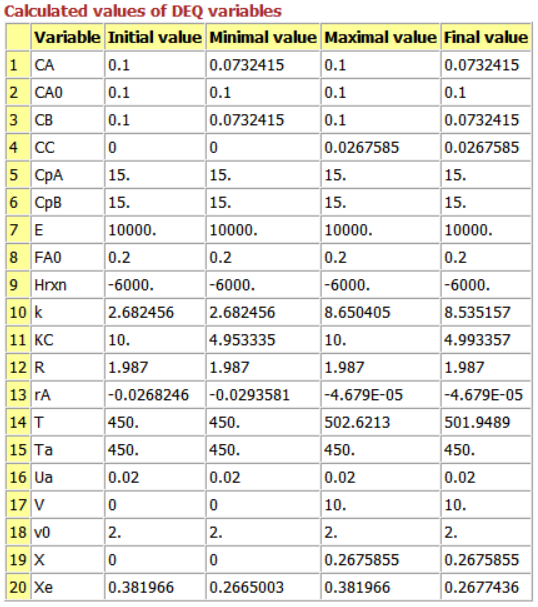


Figure 8. Polymath report

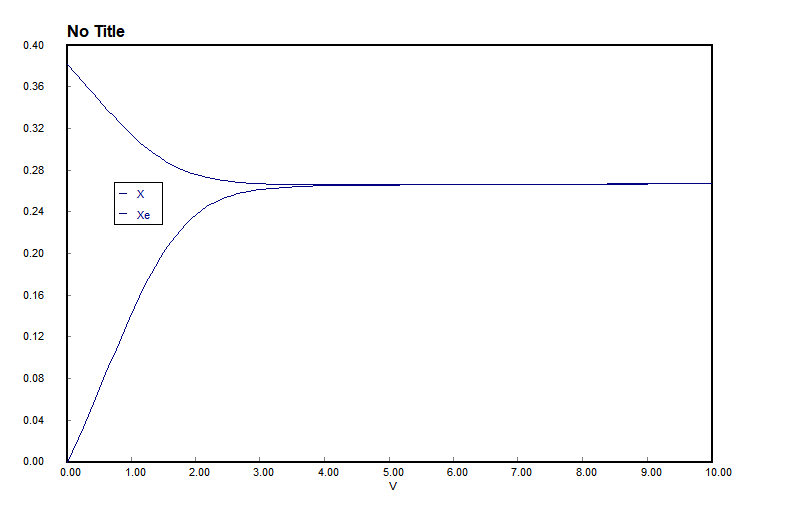


Figure 9. Graph for V and X(lower line), Xe(upper line) (V up to 10 L)

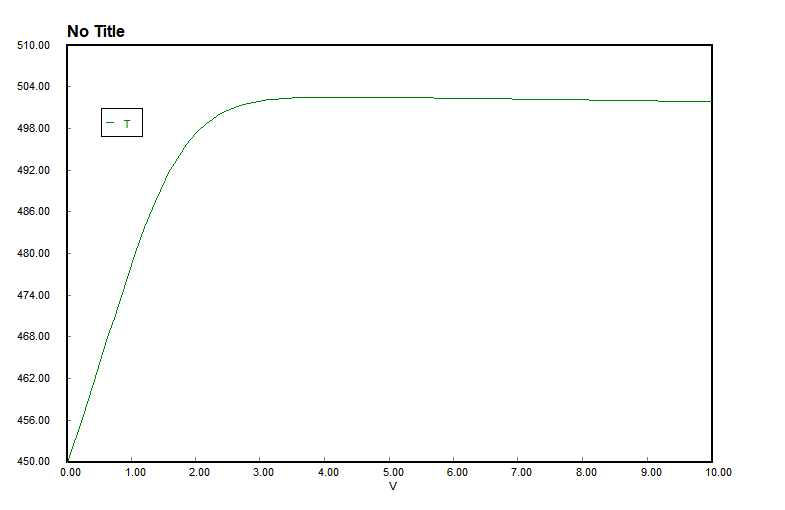


Figure 10. Graph for V and T (V up to 10 L)

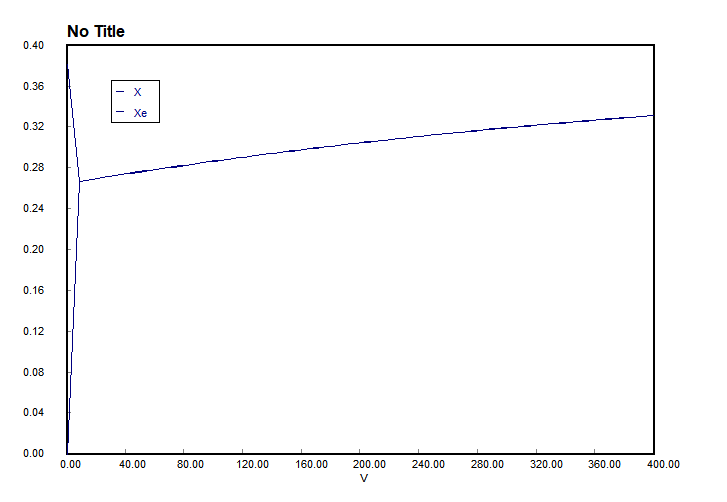


Figure 11. Graph for V and X(lower line), Xe(upper line) (V up to 400 L)

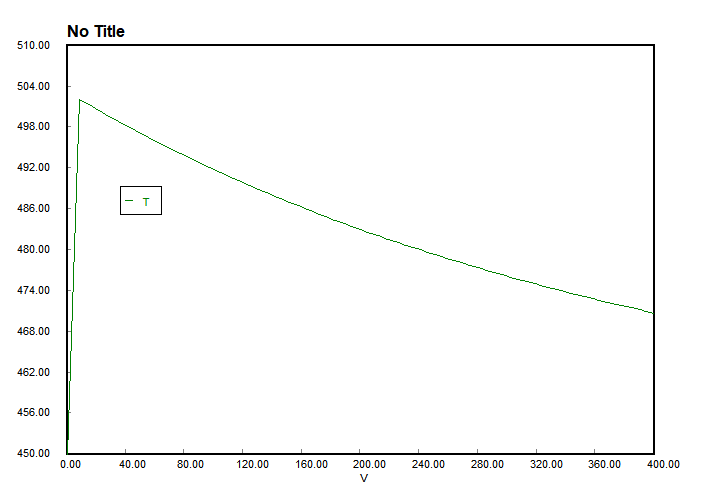


Figure 12. Graph for V and T (V up to 400 L)

**(c)**

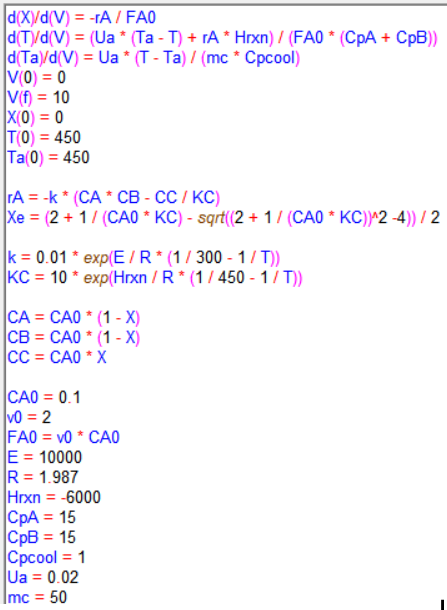


Figure 13. Polymath coding

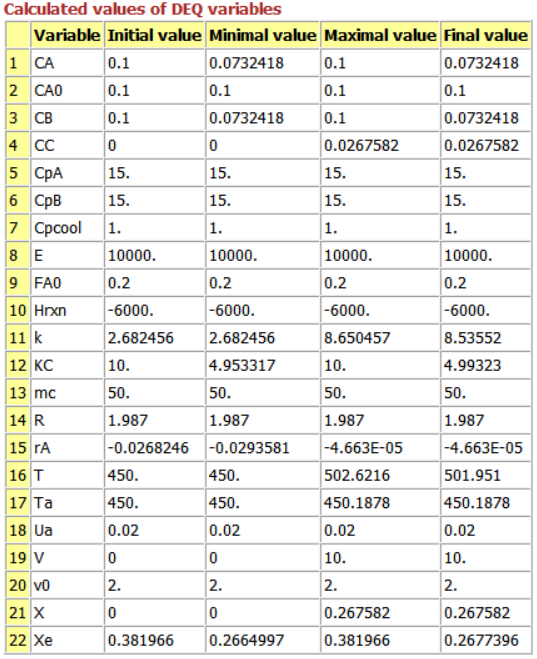


Figure 14. Polymath report

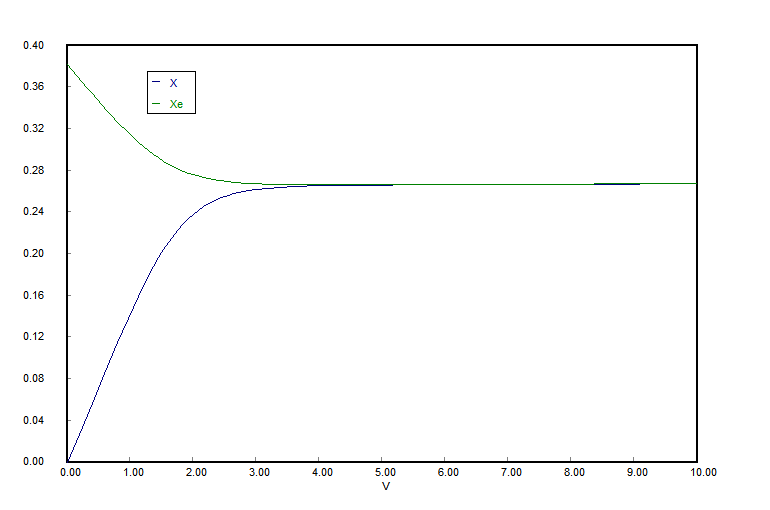


Figure 15. Graph for V and X, Xe (V up to 10 L, mc = 50 g/s)

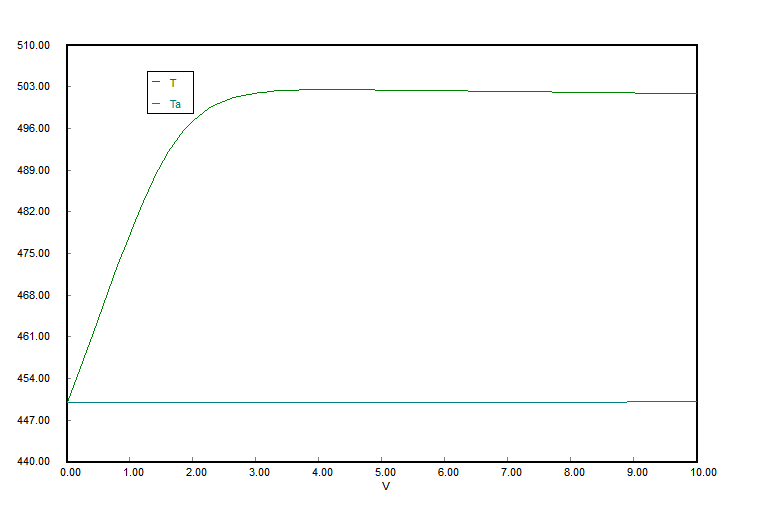


Figure 16. Graph for V and T, Ta (V up to 10 L, mc = 50 g/s)

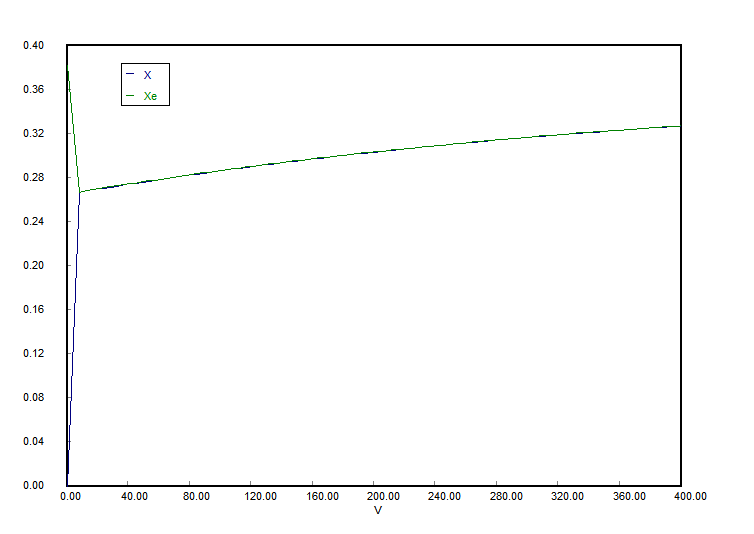


Figure 17. Graph for V and X, Xe (V up to 400 L, mc = 50 g/s)

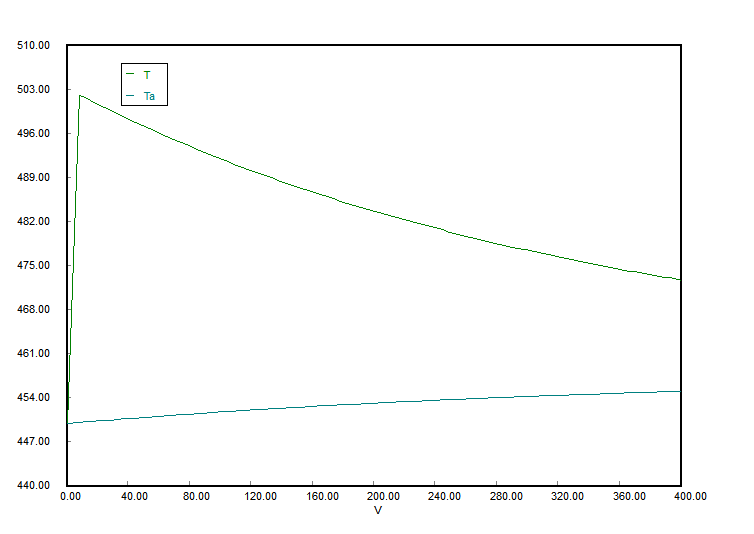


Figure 18. Graph for V and T, Ta (V up to 400 L, mc = 50 g/s)

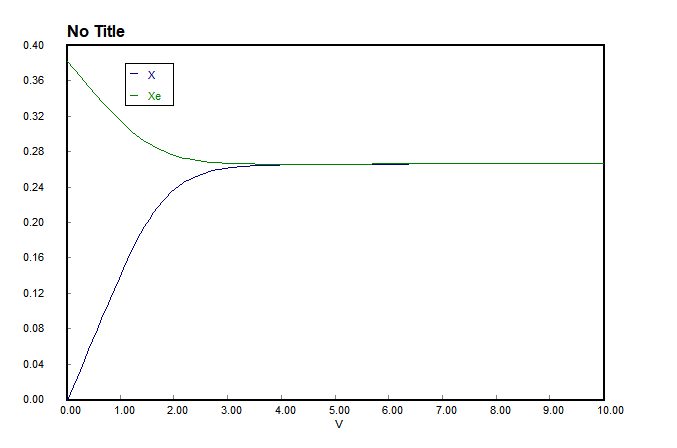


Figure 19. Graph for V and X, Xe (V up to 10 L, mc = 10 g/s)

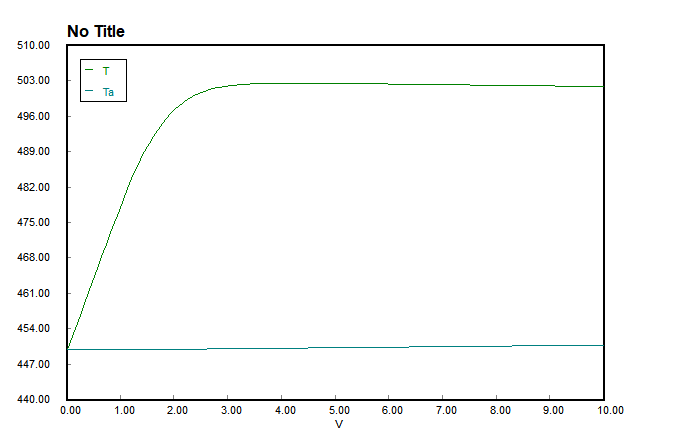


Figure 20. Graph for V and T, Ta (V up to 10 L, mc = 10 g/s)

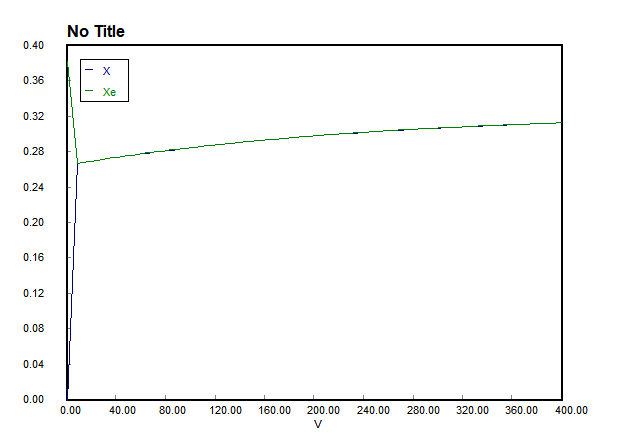


Figure 21. Graph for V and X, Xe (V up to 400 L, mc = 10 g/s)

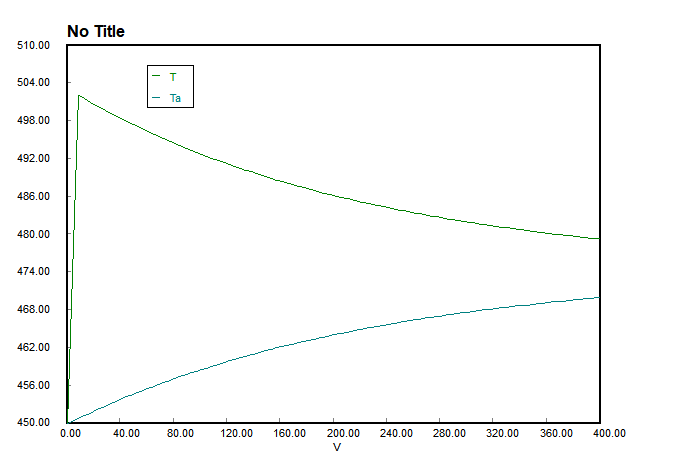


Figure 22. Graph for V and T, Ta (V up to 400 L, mc = 10 g/s)

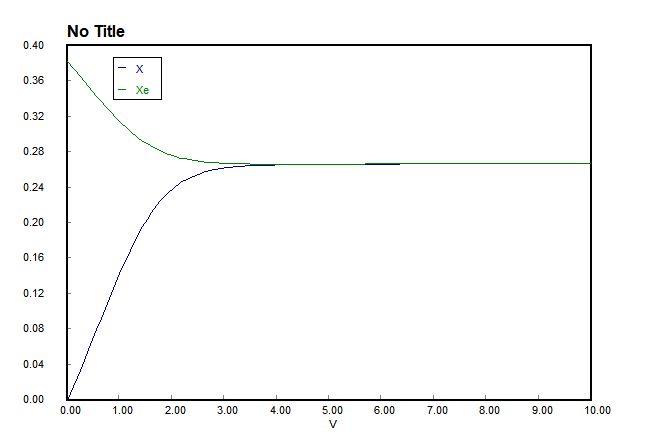


Figure 23. Graph for V and X, Xe (V up to 10 L, mc = 100 g/s)

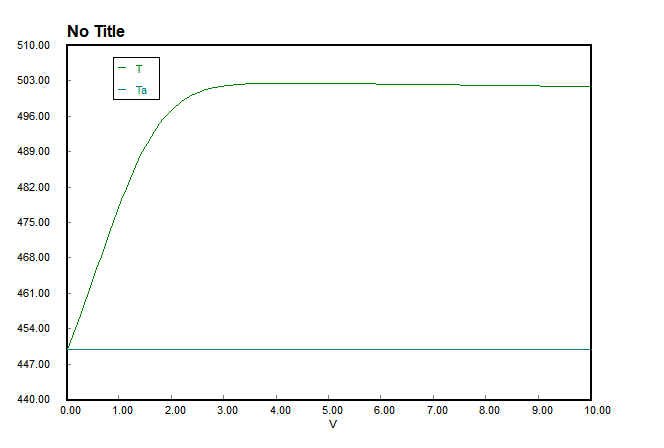


Figure 24. Graph for V and T, Ta (V up to 10 L, mc = 100 g/s)

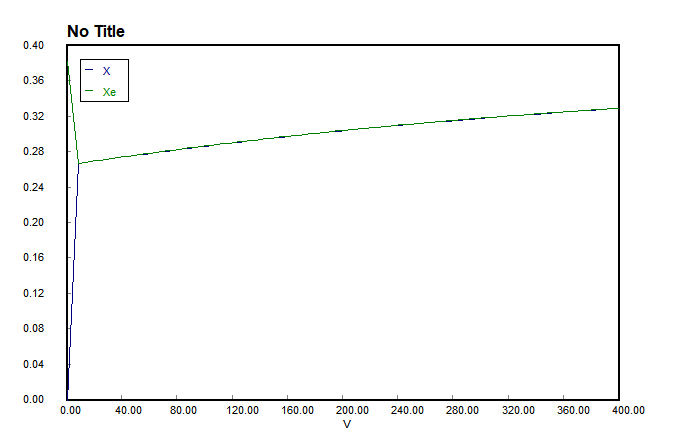


Figure 25. Graph for V and X, Xe (V up to 400 L, mc = 100 g/s)

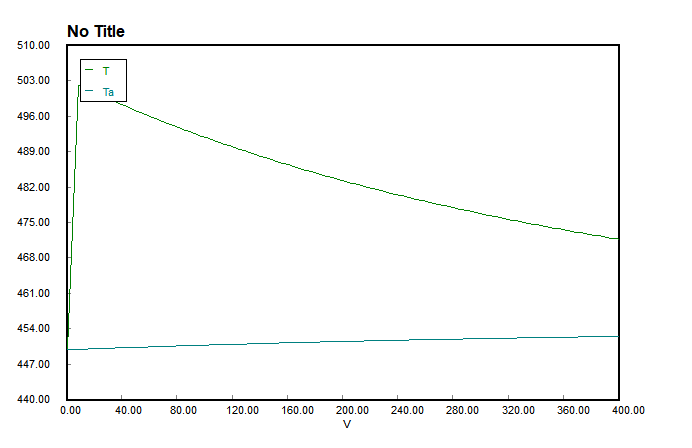


Figure 26. Graph for V and T, Ta (V up to 400 L, mc = 100 g/s)

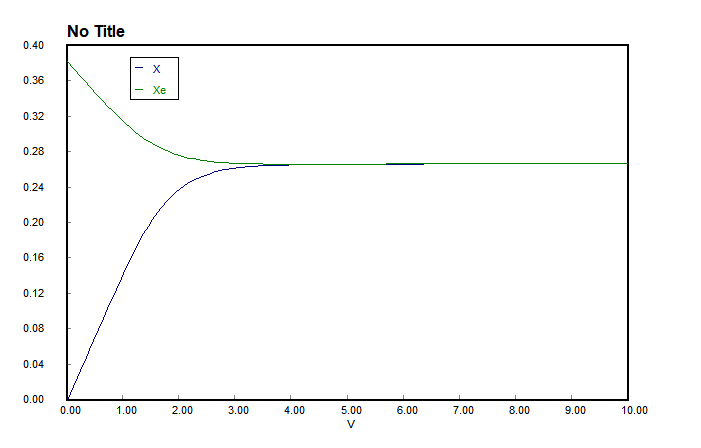


Figure 27. Graph for V and X, Xe (V up to 10 L, mc = 1000 g/s)

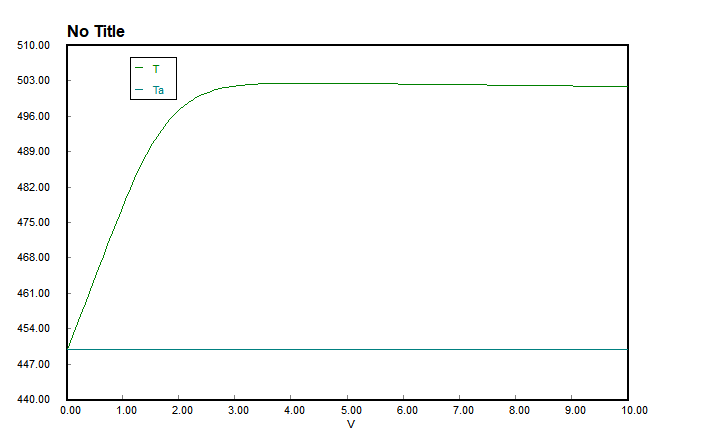


Figure 28. Graph for V and T, Ta (V up to 10 L, mc = 1000 g/s)

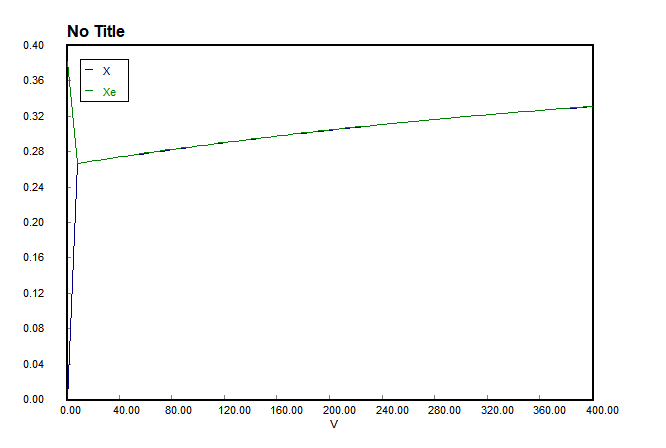


Figure 29. Graph for V and X, Xe (V up to 400 L, mc = 1000 g/s)

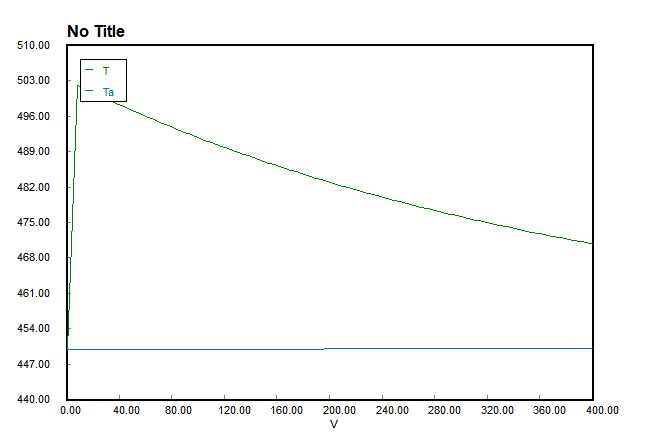


Figure 30. Graph for V and T, Ta (V up to 400 L, mc = 100 g/s)

**(d)**

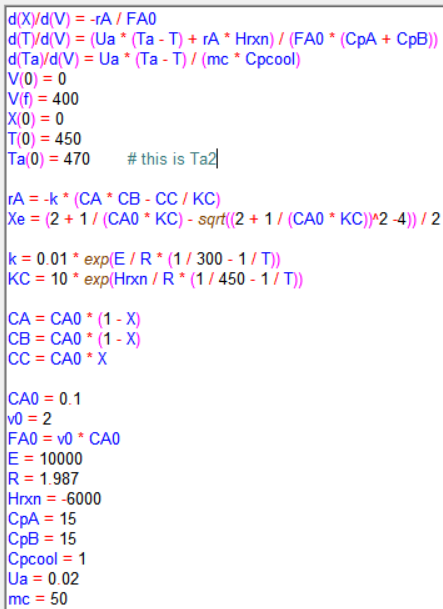


Figure 31. Polymath Coding

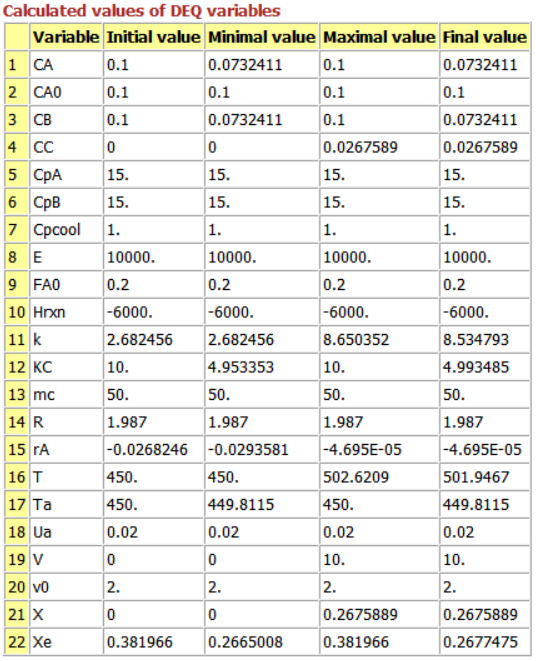


Figure 32. Polymath report

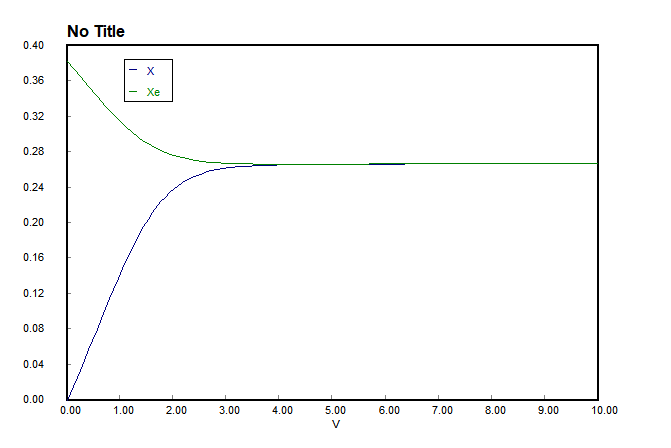


Figure 33. Graph for V and X, Xe (V up to 10 L, mc = 50 g/s)

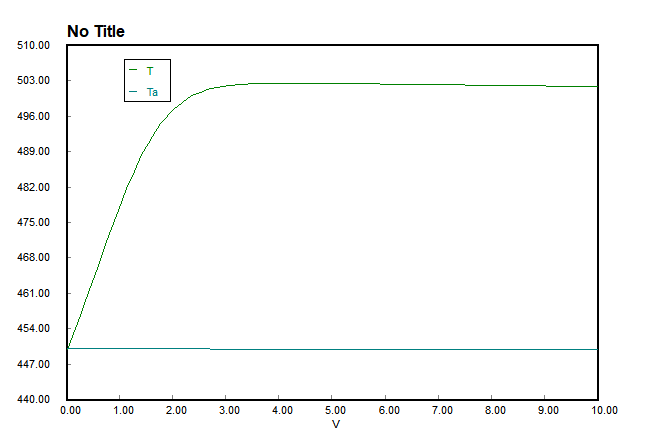


Figure 34. Graph for V and T, Ta (V up to 10 L, mc = 50 g/s)

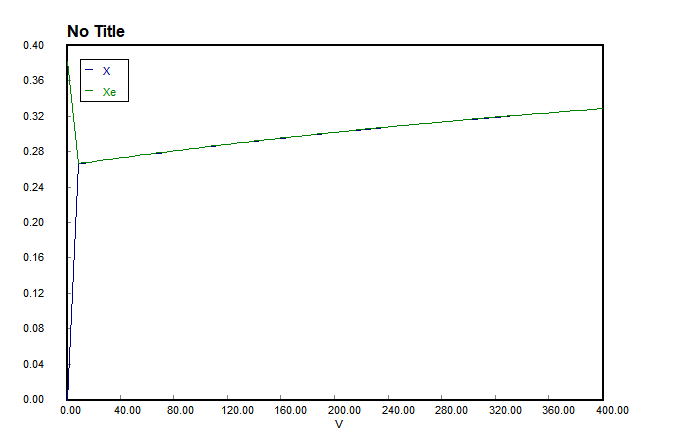


Figure 35. Graph for V and X, Xe (V up to 400 L, mc = 50 g/s)

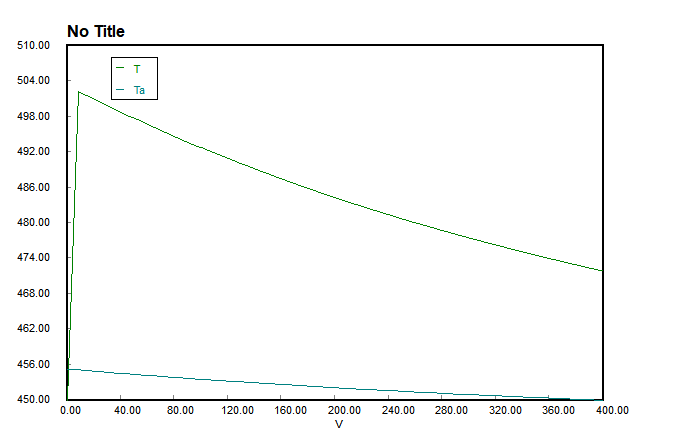


Figure 36. Graph for V and T, Ta (V up to 400 L, mc = 50 g/s)

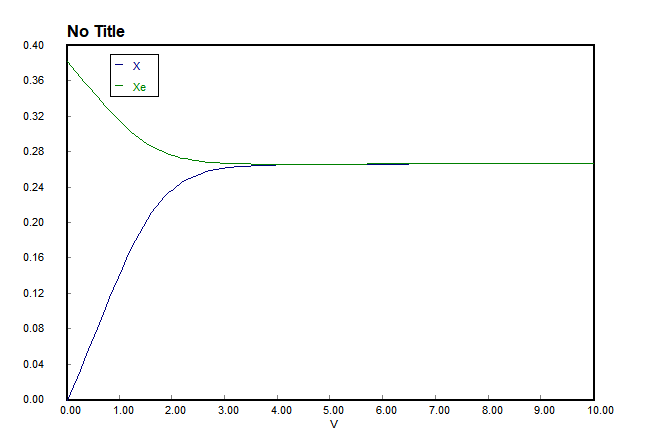


Figure 37. Graph for V and X, Xe (V up to 10 L, mc = 10 g/s)

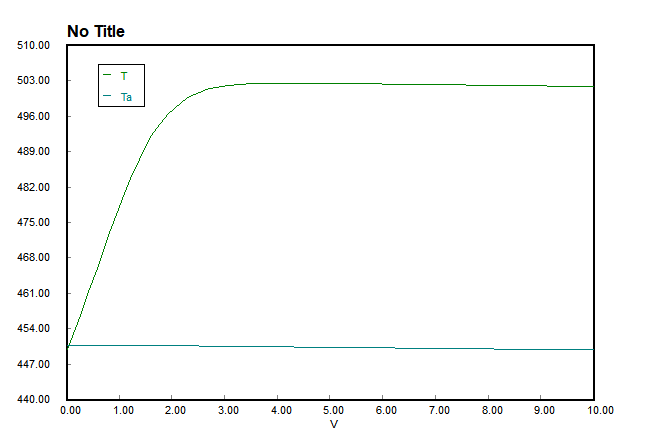


Figure 38. Graph for V and T, Ta (V up to 10 L, mc = 10 g/s)

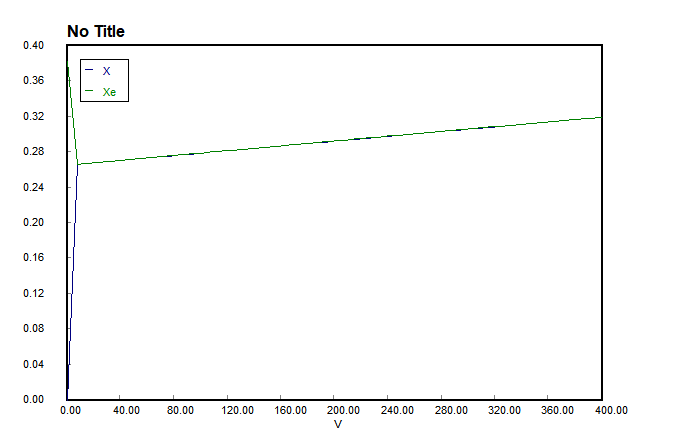


Figure 39. Graph for V and X, Xe (V up to 400 L, mc = 10 g/s)

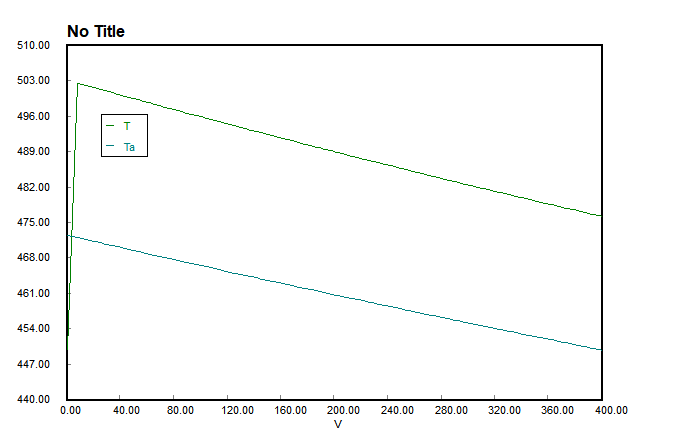


Figure 40. Graph for V and T, Ta (V up to 400 L, mc = 10 g/s)

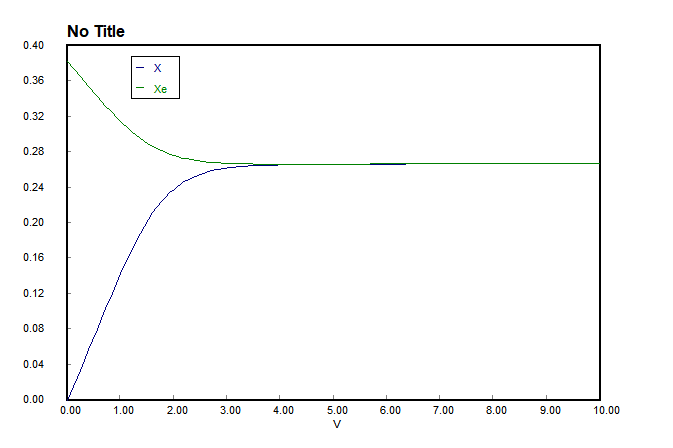


Figure 41. Graph for V and X, Xe (V up to 10 L, mc = 100 g/s)

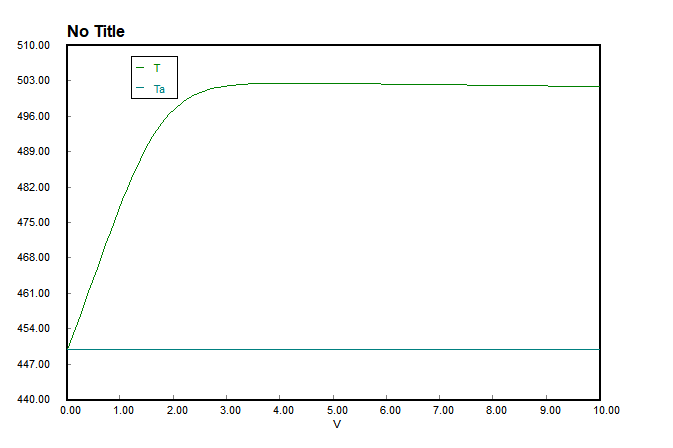


Figure 42. Graph for V and T, Ta (V up to 10 L, mc = 100 g/s)

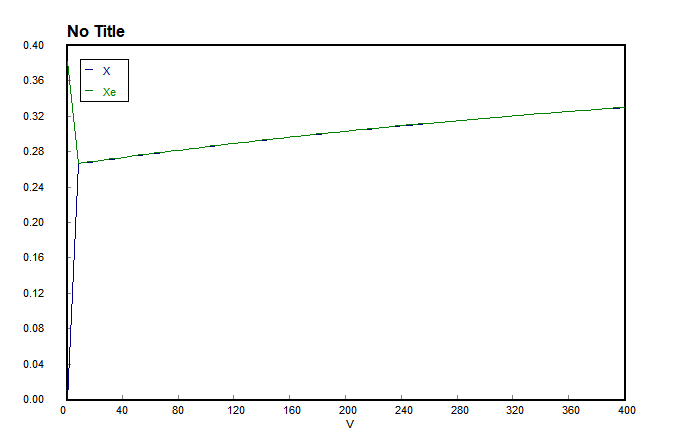


Figure 43. Graph for V and X, Xe (V up to 400 L, mc = 100 g/s)

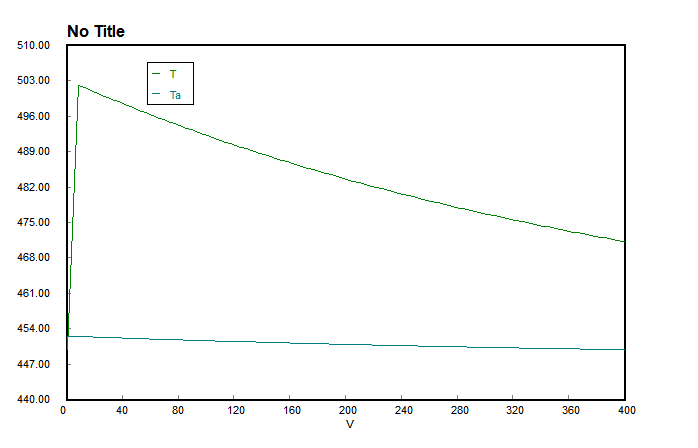


Figure 44. Graph for V and T, Ta (V up to 400 L, mc = 100 g/s)

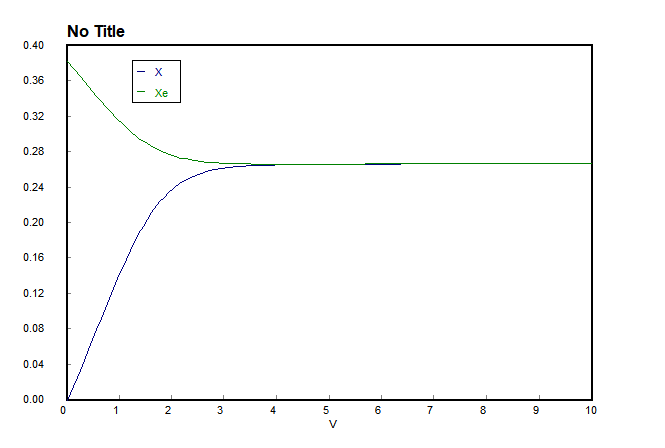


Figure 45. Graph for V and X, Xe (V up to 10 L, mc = 1000 g/s)

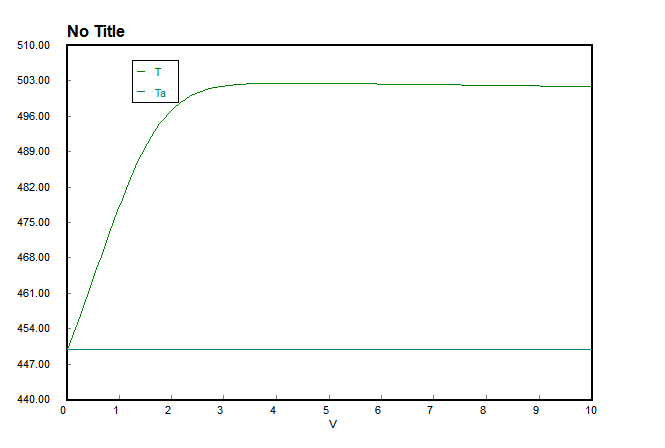


Figure 46. Graph for V and T, Ta (V up to 10 L, mc = 1000 g/s)

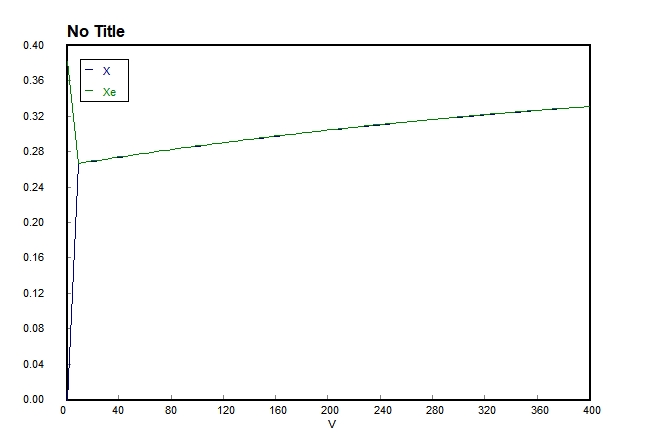


Figure 47. Graph for V and X, Xe (V up to 400 L, mc = 1000 g/s)

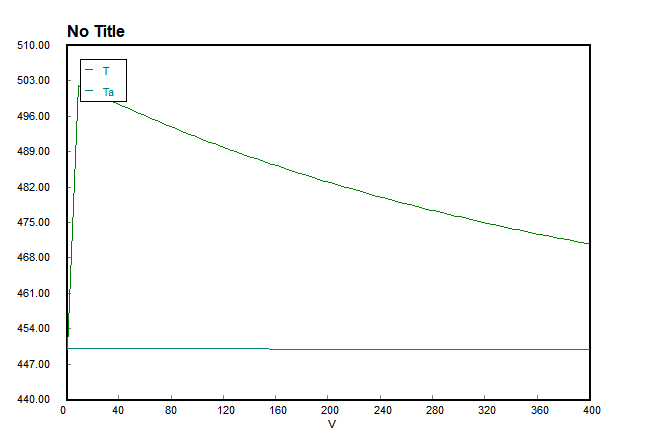


Figure 48. Graph for V and T, Ta (V up to 400 L, mc = 1000 g/s)