

HOMEWORK #8

TRANSIENT

SIMULATION FOR 10 YEARS

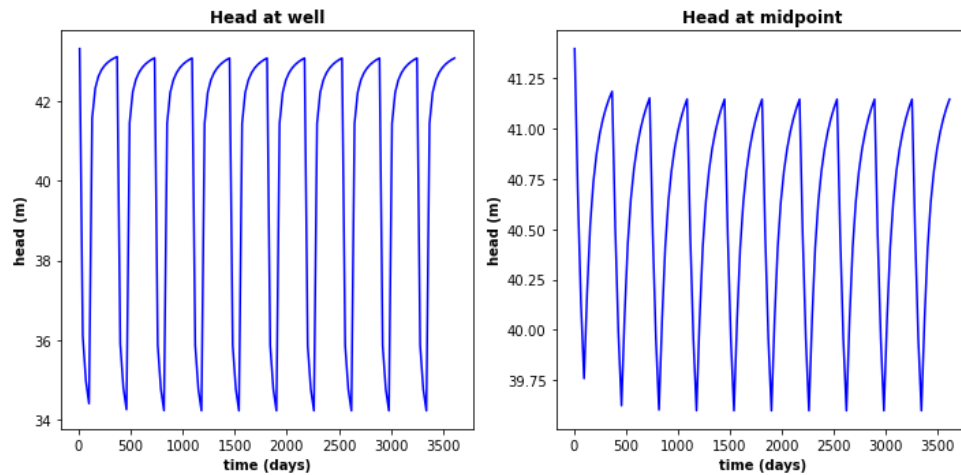


Figure 1. Head evolution of the well and a point in the middle of the domain in 10 years.

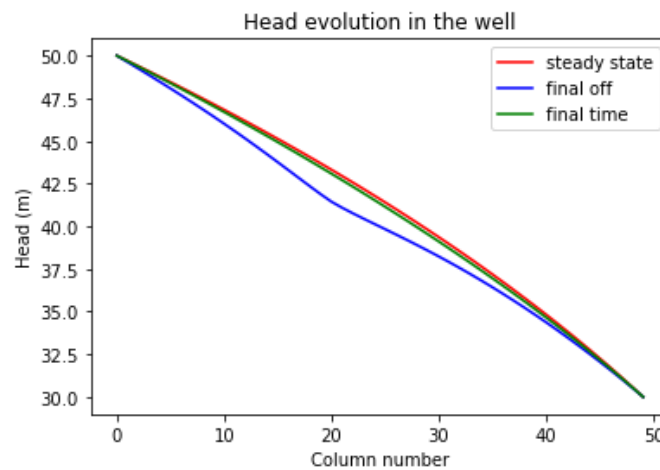


Figure 2. Head evolution of the well in three different periods. (Steady State, End of the Pumping period, End of the simulation).

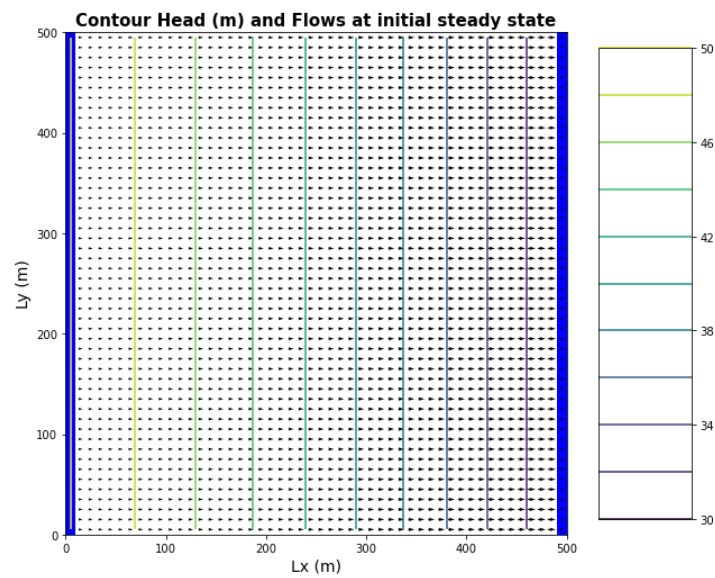


Figure 3. Contour head of the domain at the Steady State.

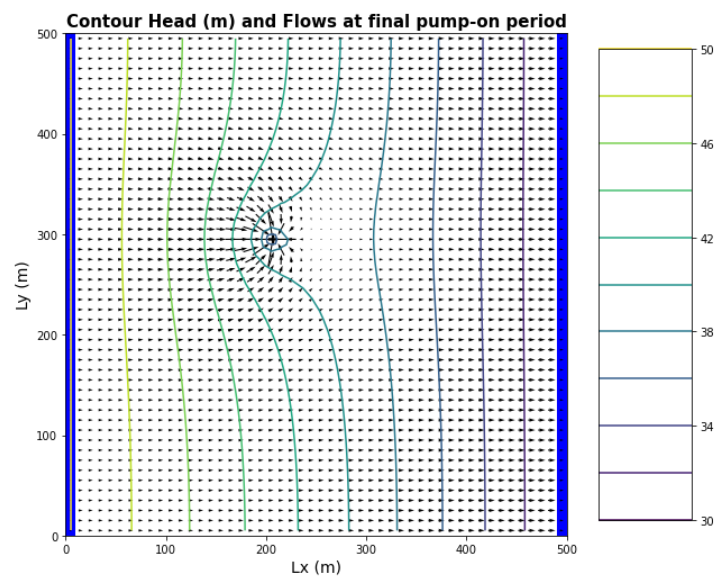


Figure 4. Contour head of the domain at the end of the pumping period.

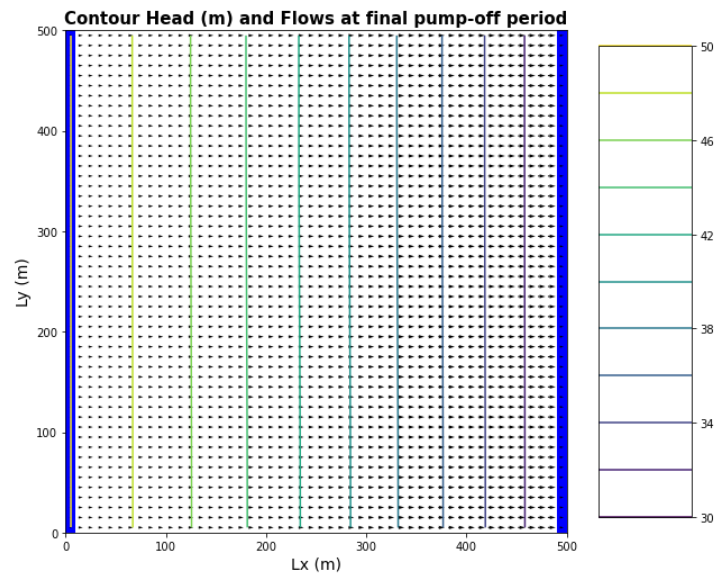


Figure 5. Contour head of the domain at the end of the simulation.

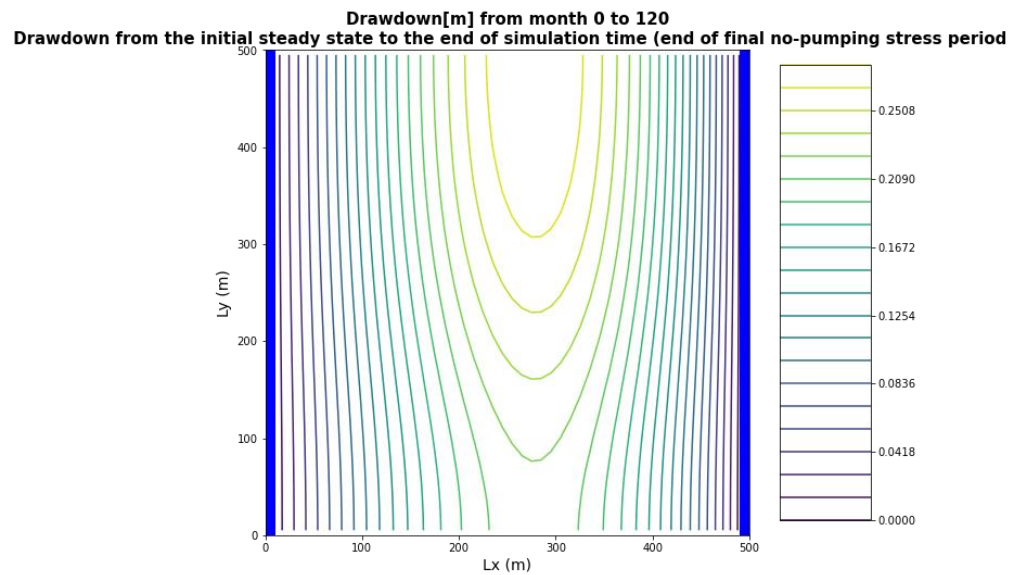


Figure 6. Drawdown from the initial steady state, to the end of the simulation period.

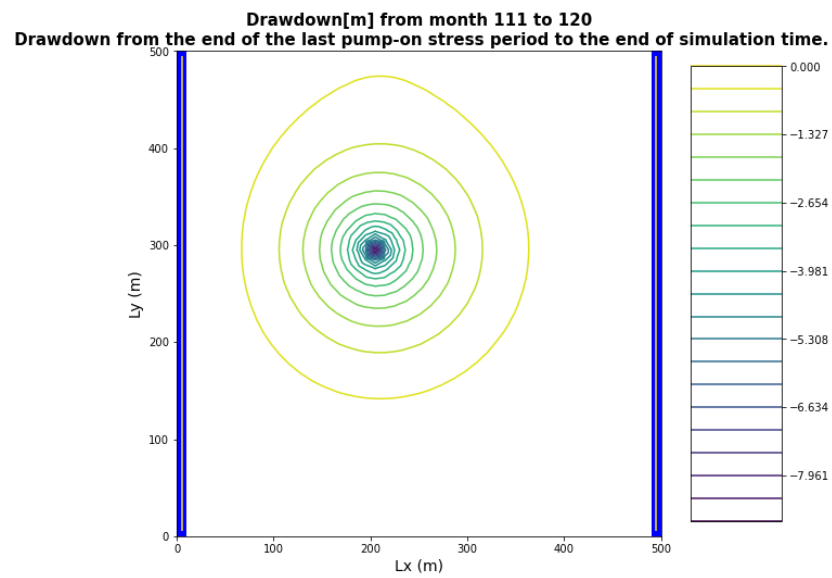


Figure 7. Drawdown from the end of the last pump-on period to the end of simulation.

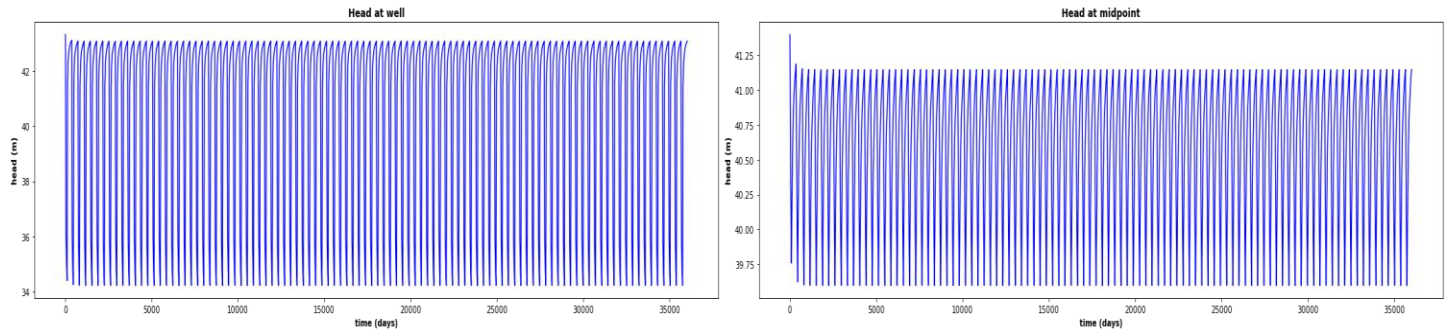
SIMULATION FOR 100 YEARS

Figure 8. Head evolution of the well and a point in the middle of the domain in 100 years.

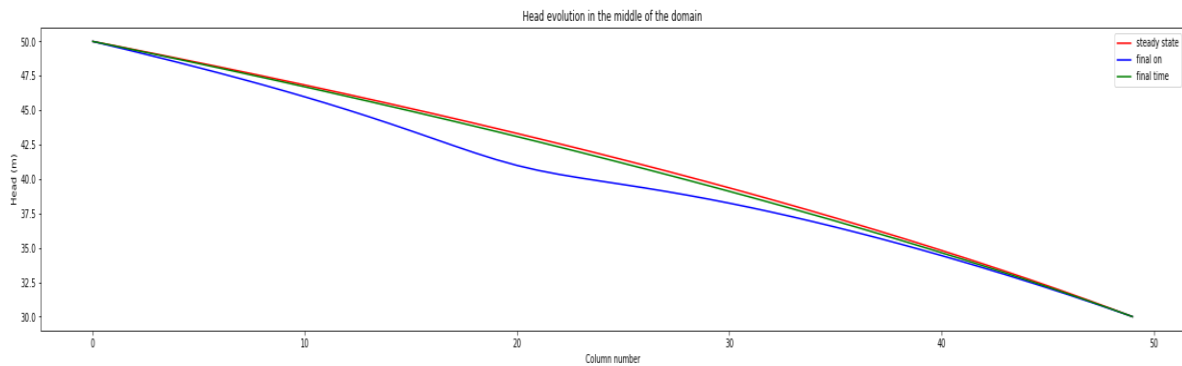


Figure 9. Head evolution of the well in three different periods. (Steady State, End of the Pumping period, End of the simulation).

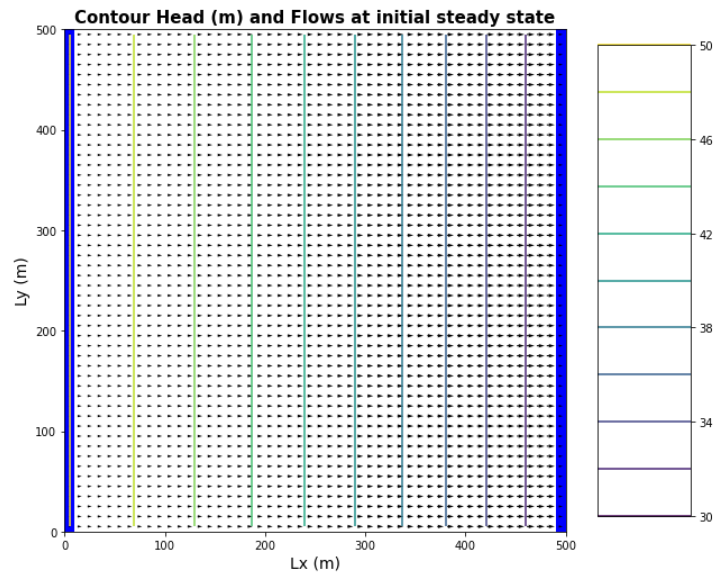


Figure 10. Contour head of the domain at the Steady State.

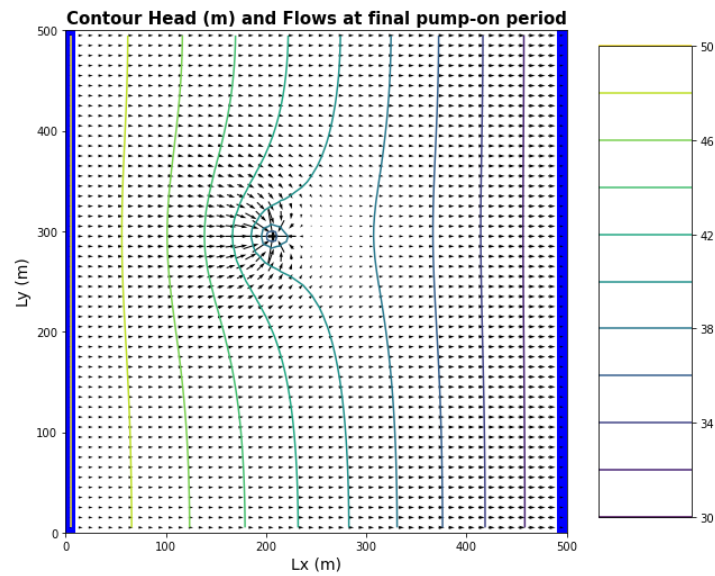


Figure 11. Contour head of the domain at the end of the pumping period.

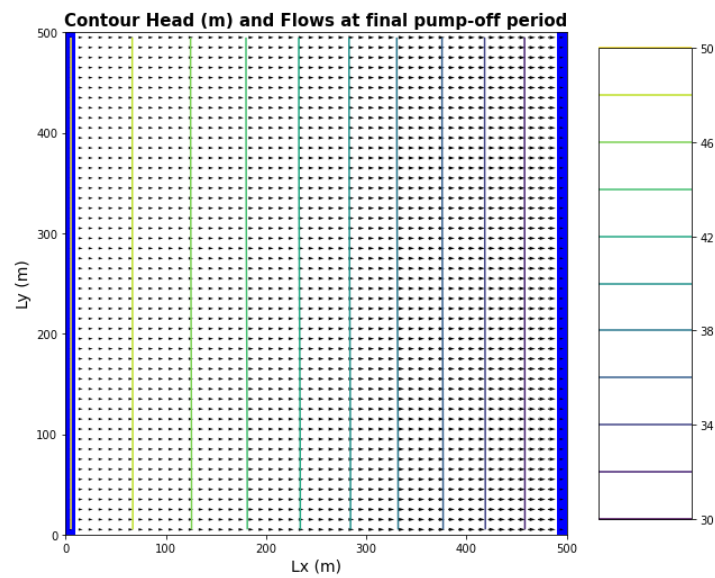


Figure 12. Contour head of the domain at the end of the simulation.

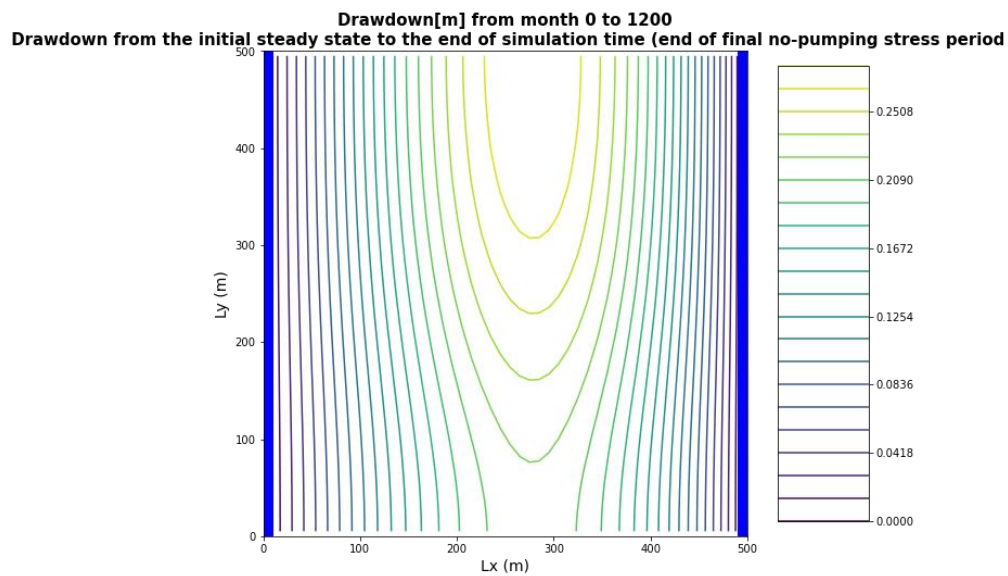


Figure 13. Drawdown from the initial steady state, to the end of the simulation period.

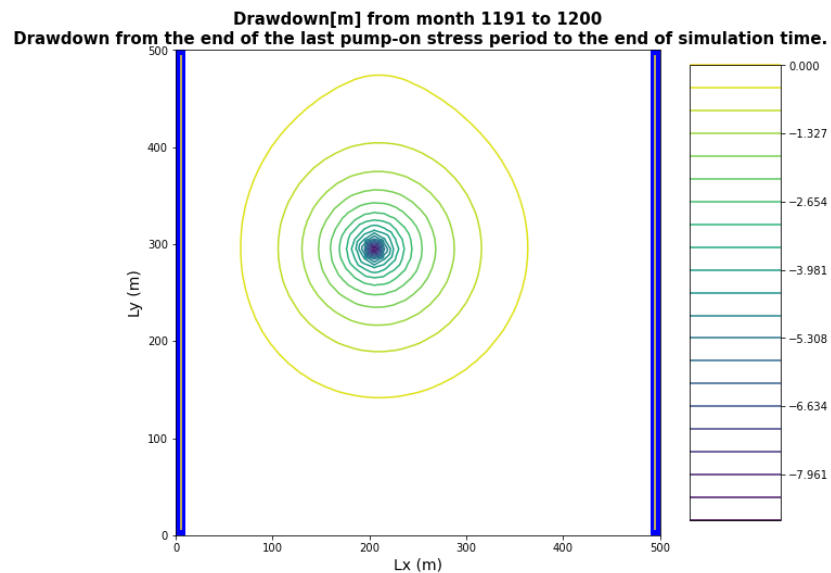


Figure 14. Drawdown from the end of the last pump-on period to the end of simulation.