

comparing the results of the neural network method and the numerical method is not easy. It depends on the specific problem and the quality of the data or equations used. In general, a neural network may be more suitable for complex, non-linear problems with large data sets, while numerical methods may be more suitable for simpler problems with well-defined equations.

For the specific problem of finding the intersection of two surfaces, both methods seem to give accurate results. The neural network method provides an approximate solution, while the numerical method provides an exact solution. However, the numerical method requires knowledge of surface equations and may not be suitable for more complex surfaces. On the other hand, the neural network method does not require knowledge of the equations, but may be less accurate in some cases.

In conclusion, both methods have their strengths and weaknesses, and the choice of method depends on the specific problem.