Maximum float value in pandas

n pandas, the maximum representable values for different floating-point data types are defined by the underlying NumPy library. Here are the maximum values for float16, float32, float64, and float128 data types in pandas:

1. **float16:** The maximum representable value is approximately 65504.0.
2. **float32:** The maximum representable value is approximately 3.4028235e+38.
3. **float64:** The maximum representable value is approximately 1.7976931348623157e+308.
4. **float128:** The maximum representable value is approximately 1.189731495357231765e+4932.