

Self-assessment questions

1. What is the command in GNU Octave for interpolation?
2. `interp1(x,y,a)` means the x value corresponding to $y = a$ is obtained. True or false?
3. `polyval` can be used for interpolation. True or false?
4. Can `interp1` be used for extrapolation?
5. In `interp1(x,y,a)`, should the y also be monotonic?

Answers to self-assessment questions

1. `interp1`
2. False. It means the y value corresponding to $x = a$ is obtained.
3. True. If `polyfit` is used on the given data to fit a polynomial, then, `polyval` can be used for interpolation.
4. Yes; by passing an optional parameter 'extrap', extrapolation can be carried out.
5. No. See the Problem 2, for example.