

Contents

1	DONE Done	1
2	NEXT Reading	1
3	TODO Todo	1

1 DONE Done

Perturbation Methods:

- Multiple Scales Expansion.
- Anharmonic Oscillator example.

https://www.math.arizona.edu/~ntna2007/Perturbation_Methods.pdf

2 NEXT Reading

Title: *PHY-892 The Many-Body problem, from perturbation theory to dynamical-mean field theory (lecture notes)*.

Author: André-Marie Tremblay

<https://pitp.phas.ubc.ca/confs/sherbrooke2018/archives/N-corps-2017.pdf>

3 TODO Todo

http://galileoandeinstein.phys.virginia.edu/7010/CM_22_Resonant_Nonlinear_Oscillations.html [https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_\(Physical_and_Theoretical_Chemistry\)](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry))