



A Good ALT

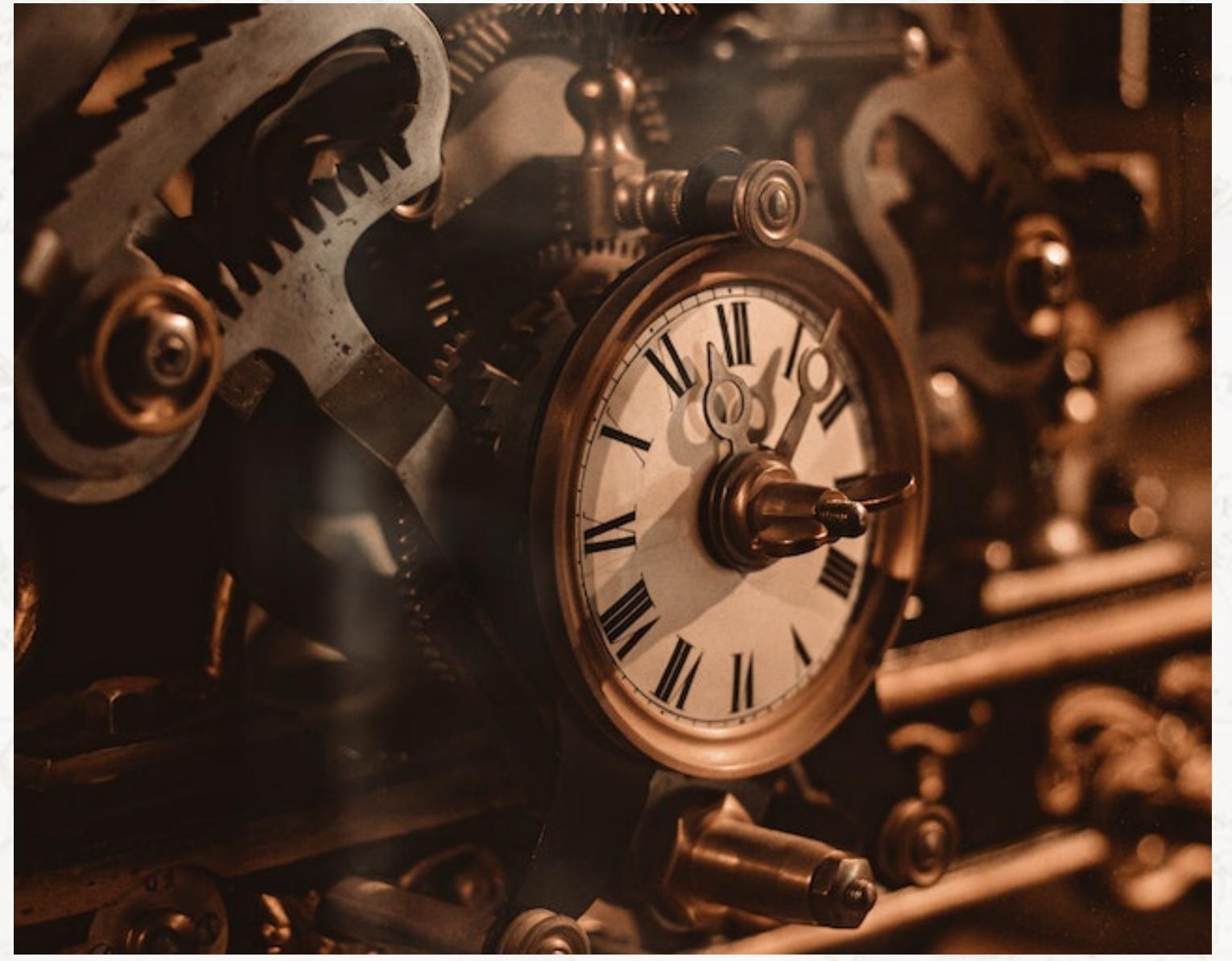


ABadALT



There are steps you can take to master significant ALTs

Learning ALTs







First Assignment Learning ALTs

Our new product is buried in concrete bridges – does it last 20 years?



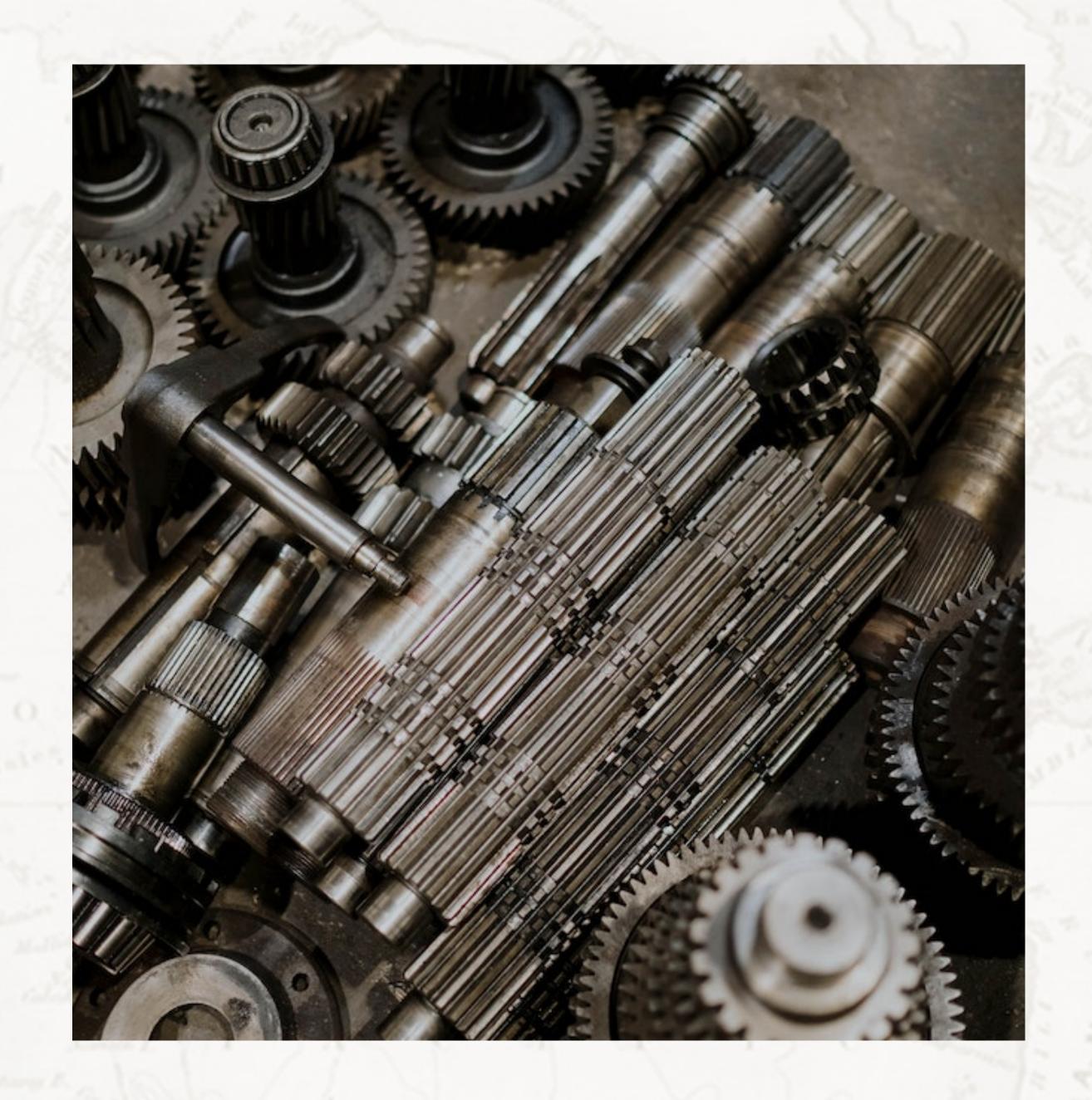
Books, Conferences, ... Learning ALTs

Library rat

Wayne Nelson's book

Conference in Boston

Co-writing a technical paper



Still Learning Learning ALTs

Dozens of books

Hundreds of technical papers

Many, many discussions

Teaching, mentoring, consulting

and, more learning to go, I'm sure



Focus on

Failure Mechanisms

4 Steps to Learn ALT







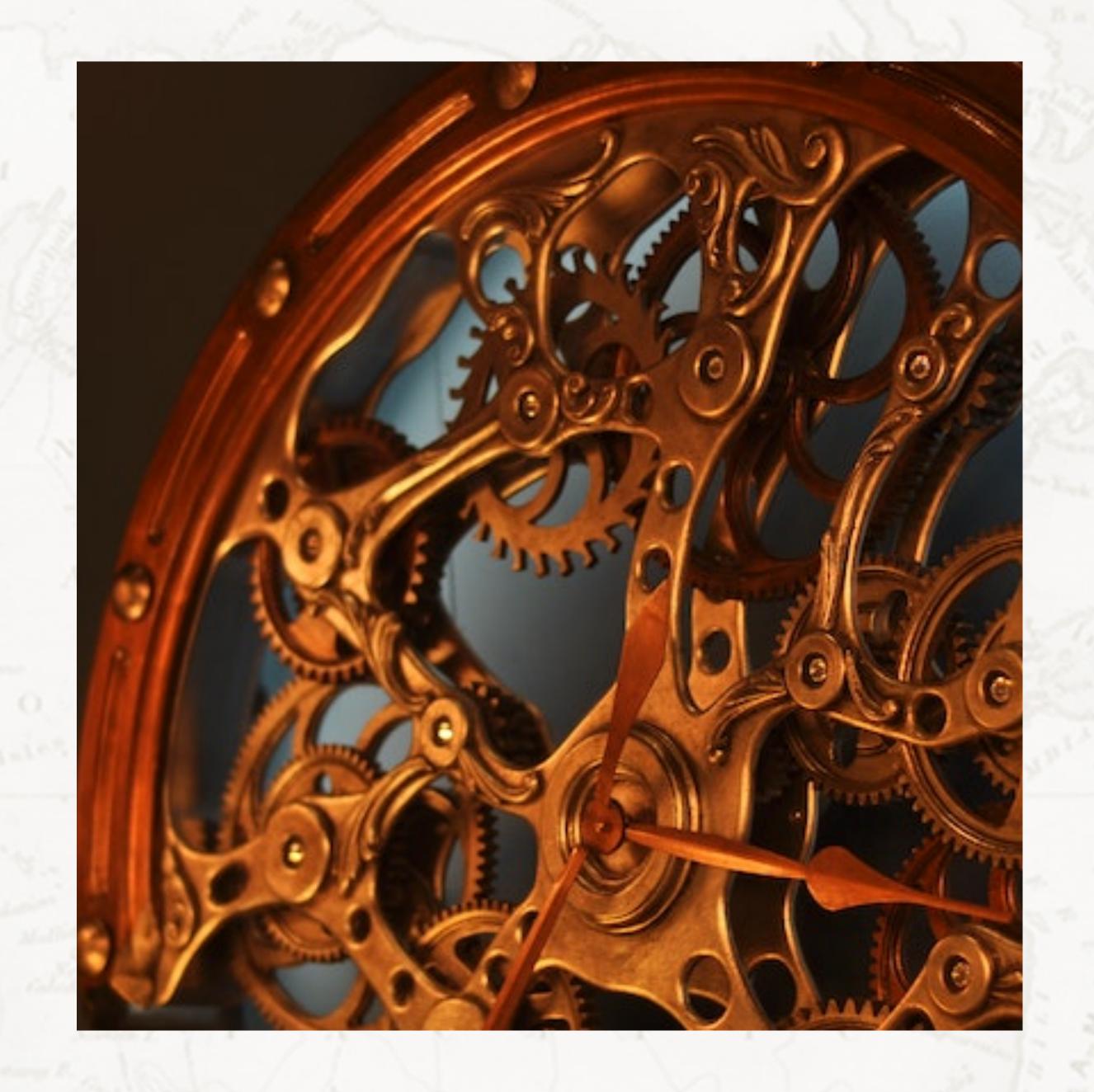
Try 4 Steps to Learn ALT

To learn, you first need to want to learn



Practice / Study 4 Steps to Learn ALT

Do the homework
work out examples
check your work



Talk / Discuss

4 Steps to Learn ALT

Everybody loves to talk about failure mechanisms

Nobody loves to talk about statistics



Reflect

4 Steps to Learn ALT

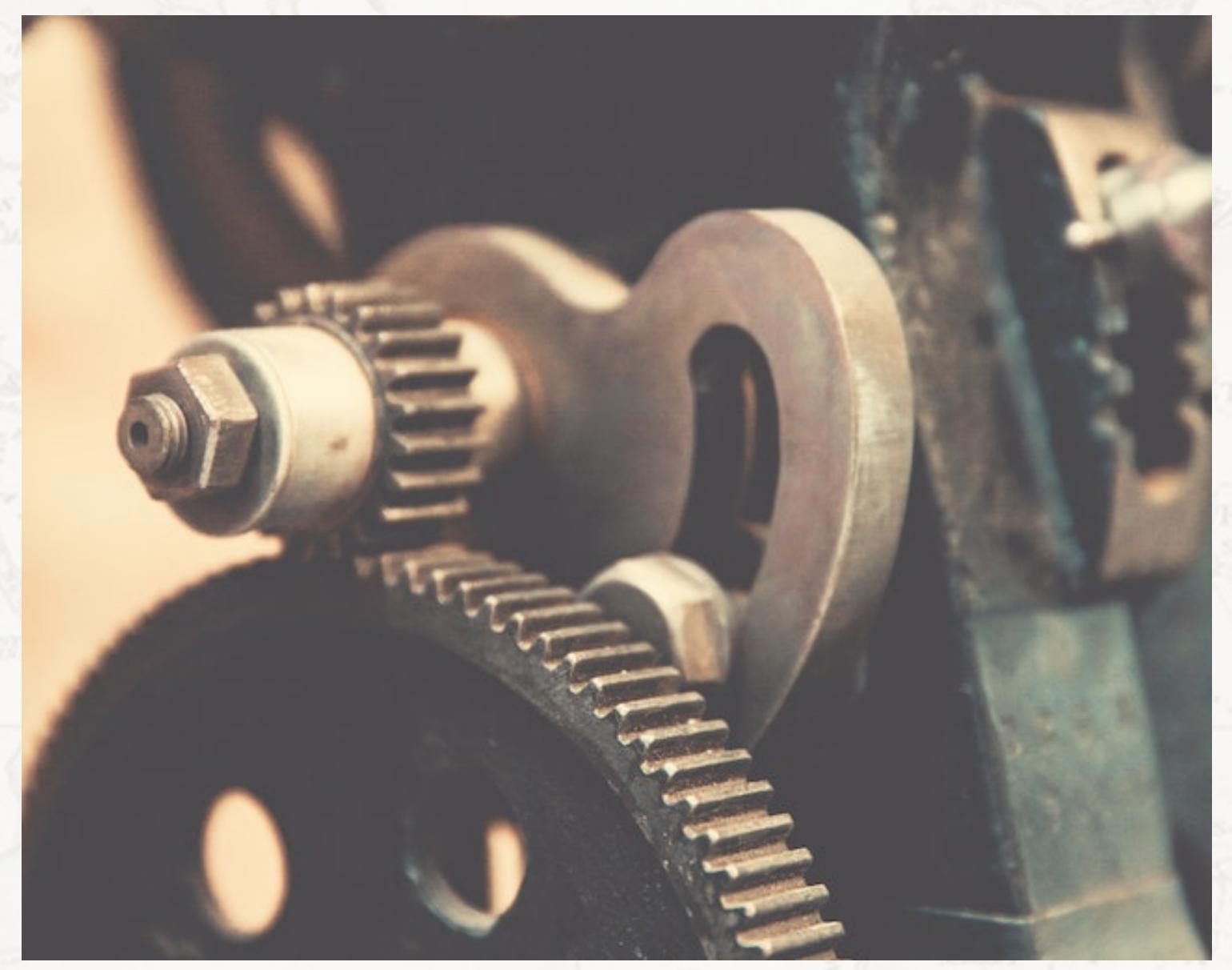
Spend time to think about what you have learned and still need to learn



Coet

Feedback

ALT Resources







Books / Papers

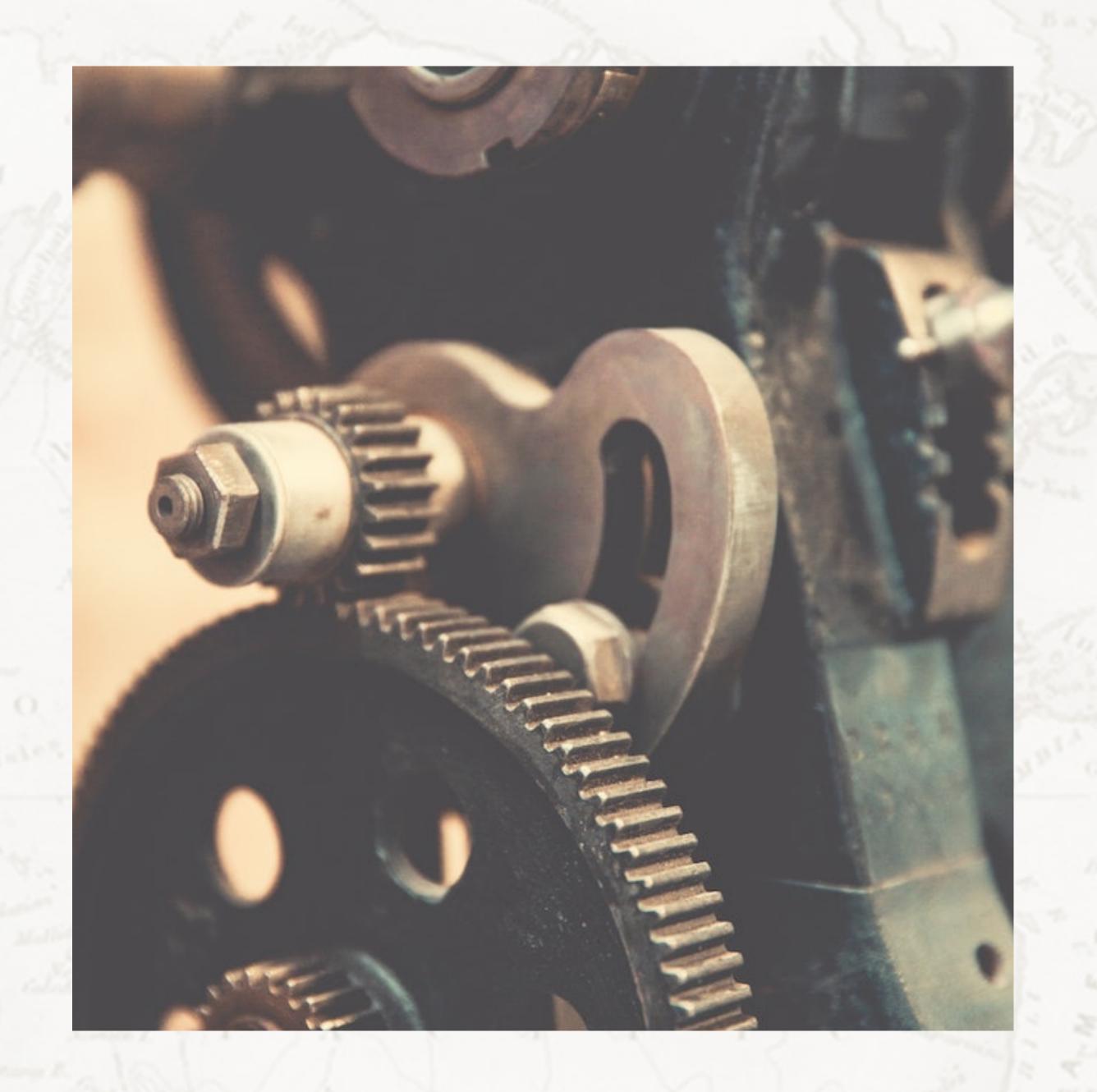
ALT Resources

Accelerated Testing
- Wayne Nelson

Statistical Methods for Reliability Data - William Q. Meeker, Luis A. Escobar, & Francis O. Pascual

Technical papers on technology, material, application, or failure mechanism.

Papers on ALT methods



Websites / Conferences 4 Steps to Learn ALT

accendoreliability.com (of course)

weibull.com

Engineering Statistics Handbook by NIST

RAMS conference

Specialized or focused conferences, workshops, and seminars



Courses / Coaches

4 Steps to Learn ALT

Universities

Consultants

Key is a course that encourages you to interact, question, discuss, and stay in touch.

Coaches/Mentors - key is the learning process



It's a Journey

Let's accelerate it

Additional Comments and Questions

Thanks

see more at AccendoReliability.com