

LINKS Unidade 10 – Propriedades Mecânicas II

U. Toronto – Mechanism for plastic deformation in metals

<https://www.youtube.com/watch?v=le34MNfojAA>

U. Colorado Boulder – Dislocations and Plastic Deformation

<https://www.youtube.com/watch?v=cpvTwYAUeA8>

Strategies for Strengthening Metals

<https://www.youtube.com/watch?v=jaMyxixFryA>

Solid Solution Strengthening

https://www.youtube.com/watch?v=l_t_WlfSWYO

Strengthening Materials

<https://www.youtube.com/watch?v=pJ6jlrsVvEg>

Elastic & Plastic Deformation on the Atomic Scale {Texas A&M: Intro to Materials (MSEN 201)}

<https://www.youtube.com/watch?v=vNny2bVKeNE>

U. Kiel – ...algo um pouco mais avançado: Mecanismos de Endurecimento de Aços

<http://www.tf.uni-kiel.de/matlwis/amat/iss/> - Itens 8.3 e 8.4

8.3.1 – Endurecimento por solução sólida e por precipitação; 8.3.2 – endurecimento por refino de grão; 8.3.3 – encruamento; 8.4 – têmpera e revenido.

Iron, Steel and Swords Script

8. Tuning Carbon Steel

[8.1 Keeping Dislocations at Bay](#)

[8.1.1 Being a Drag](#)

[8.1.2 A Closer Look at the Second Law](#)

[8.2 Outwitting the Second Law](#)

[8.2.1 Strategies for Winning](#)

[8.2.2 Tempering and Ostwald Ripening](#)

[8.2.3 It's a Long way to Nirvana](#)

[8.3 Hardening Steel - the First](#)

[8.3.1 Forming your Battle Line: Solid Solution and Precipitation Hardening.](#)

[8.3.2 Size Matters](#)

[8.3.3 Bang it!](#)

[8.4 Be Cool!](#)

[8.4.1 Martensite](#)

[8.4.2 Multiculi in Steel](#)

[8.4.3 Feeling Stressed?](#)

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