

--To: All SAE Fatigue Design & Evaluation Comm. mailing listees

--From: F.D.& E. Materials Database Project

--Re.: Request for dusty data sets

As you can see from the list below this note, we have already collected a considerable number of data sets. We are however still weak in a number of areas; well, ok, many areas. The HSLA data sets and low carbon steel come to mind for the car and truck folks, while other forging data sets, cast steel, iron, would be useful for the off-roaders, and many aluminums are missing for aircraft designers.

You may, in your past studies perhaps, happen to have a set of data that we could add to this immortal pile? Who knows perhaps some future descendant will be pleased to find a grandparent's contribution to this good cause. Thesis work for example should qualify with no copyright problems, though you should probably check with your alma mater to make sure. If you find some lost data and want to contribute you can either send it to us for posting on the web or you can post it on your own web site and we will point or link to it.

Hope you can help,

Al Conle and John Bonnen

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----- The Pile -----

Steels:

http://fde.uwaterloo.ca/Fde/Materials/Steel/Lowcarbon/sae1015_Keshevan.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/sae10B20_f512/sae10B20_f512.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/ASTM-A588C/g40.21-50A_initial_os.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/ASTM-A588C/g40.21-50A_periodic_os.html

<http://fde.uwaterloo.ca/Fde/Materials/Steel/ASTM-A588C/astm-A588C.html>

http://fde.uwaterloo.ca/Fde/Materials/Steel/ASTM-A588C/g40.21-50A_non_os.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_336BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_345BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_563BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_410BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_277BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_187BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_203BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_landgraf_500BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_landgraf_705BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_landgraf_595BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_landgraf_450BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE1045/sae1045_landgraf_390BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4340/sae4340_NASA_243BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4340/sae4340_NASA_409BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4130/sae4130_NASA_366BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4130/sae4130_NASA_259BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/Maraging/maraging_Landgraf_480BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/Maraging/maraging_Landgraf_405BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/Maraging/maraging_Landgraf_460BHN.html

http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_475BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_400BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_450BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_380BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_475BHN_b.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_560BHN.html
http://fde.uwaterloo.ca/Fde/Materials/Steel/SAE4142/sae4142_Landgraf_450BHN_Def.html

Aluminiums:

http://fde.uwaterloo.ca/Fde/Materials/Alum/AA1100/aa1100_non_os.html
<http://fde.uwaterloo.ca/Fde/Materials/Alum/AA1100/aa1100.html>
<http://fde.uwaterloo.ca/Fde/Materials/Alum/AA7075/aa7075.html>
http://fde.uwaterloo.ca/Fde/Materials/Alum/AA7075/aa7075T6_Endo_Morrow_non_os.html

Aluminium Cast:

<http://fde.uwaterloo.ca/Fde/Materials/Alumcast/A356/a356.html>
http://fde.uwaterloo.ca/Fde/Materials/Alumcast/A356/a356-T6_sae_sp760.html

Stainless Steels:

http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_304_stainless/aisi304ss_soft.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_304_stainless/aisi304.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_304_stainless/aisi304ss_hard.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_304_stainless/aisi304ss.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_310_stainless/aisi310.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AISI_310_stainless/aisi310ss_soft.html
<http://fde.uwaterloo.ca/Fde/Materials/SSteel/AM350/am350.html>
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AM350/am350_soft.html
http://fde.uwaterloo.ca/Fde/Materials/SSteel/AM350/am350_hard.html

Powdered Metal (Ferrous)

<http://fde.uwaterloo.ca/Fde/Materials/PM/pm.html>

<http://fde.uwaterloo.ca/Fde/Materials/PM/f488/f488.html>

<http://fde.uwaterloo.ca/Fde/Materials/PM/f488/std488life.html>

Tool Steels:

http://fde.uwaterloo.ca/Fde/Materials/ToolSteel/astm_A2.html

Titanium:

http://fde.uwaterloo.ca/Fde/Materials/Titan/Ti6al4v/ti6al4v_Smith.html

http://fde.uwaterloo.ca/Fde/Materials/Titan/Ti6al4v/ti6al4v_Nachtigall.html

<http://fde.uwaterloo.ca/Fde/Materials/Titan/Ti8al1mo1v/ti8al1mo1v.html>

<http://fde.uwaterloo.ca/Fde/Materials/Titan/Ti5al2.5sn/ti5al2.5sn.html>