



Welcome to

EEN-E2002 Combustion Technology

Lecture on 8 Mar 2019

Tuomas Paloposki

v. 01 / 7 Mar 2019



Contents

Today's topics:

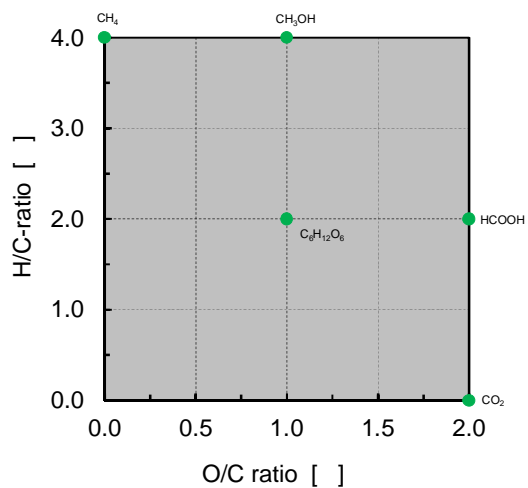
- Boiler fuels, fuel properties
- Devolatilization and gasification





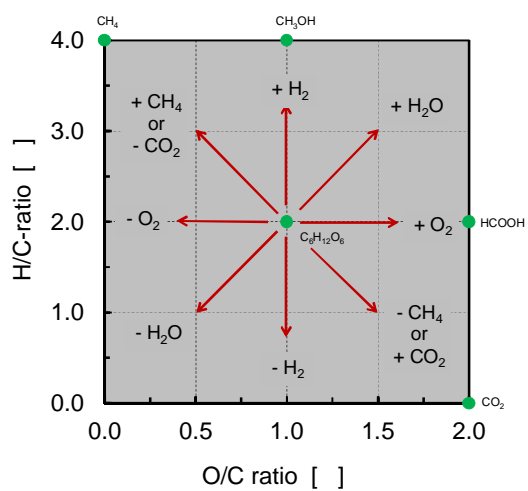
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van Krevelen diagram – 1



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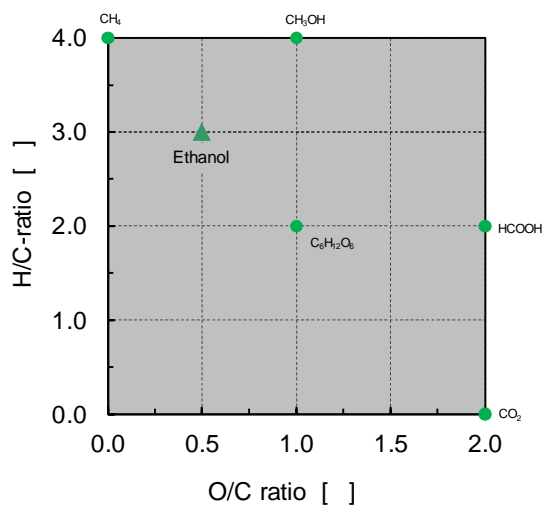
van Krevelen diagram – 2





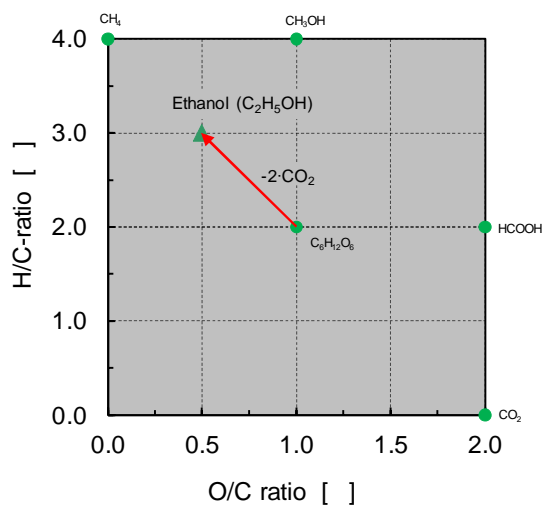
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van Krevelen diagram – 3



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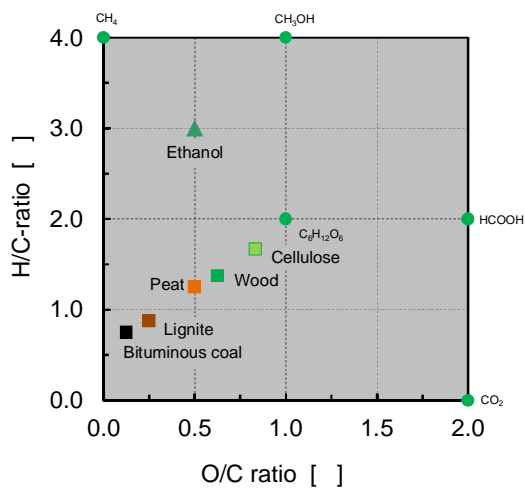
van Krevelen diagram – 4





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van Krevelen diagram – 5

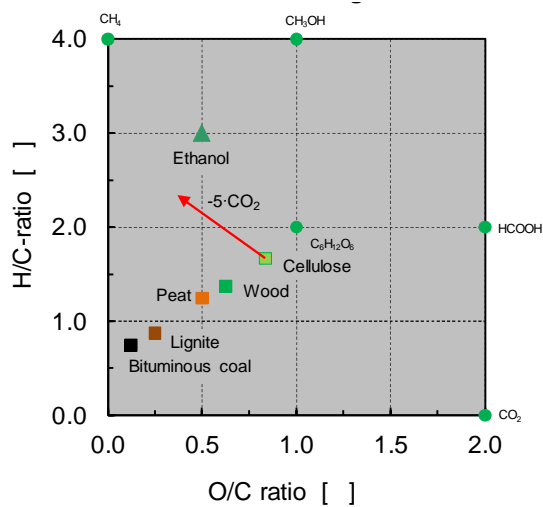


Wood, peat, lignite and bituminous coal according to Table 2.20 on BR p. 54



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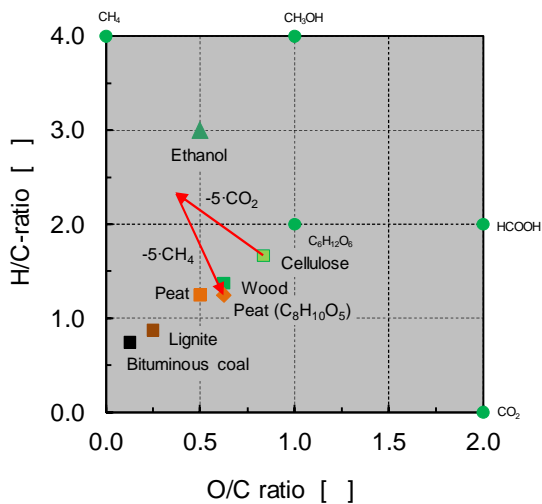
From cellulose to peat – 1





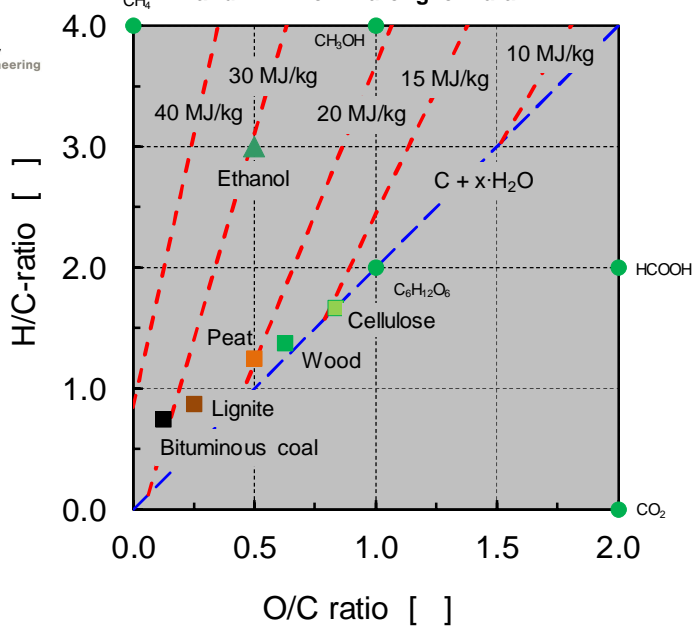
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From cellulose to peat – 2



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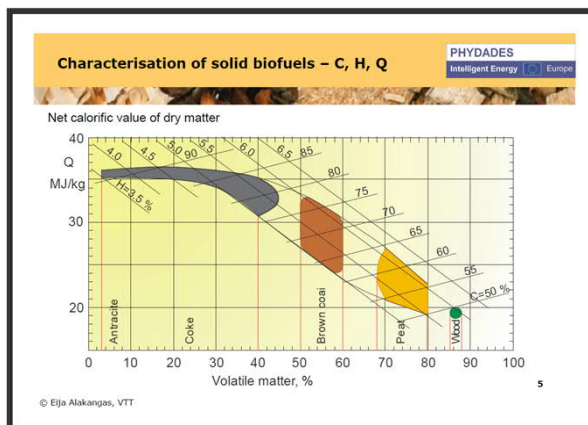
van Krevelen diagram and HHV from Dulong formula





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Solid fuels classification



Apparently adapted from:
Tekniikan käsikirja, 2. osa,
8. painos, Gummerus,
Jyväskylä, 1975. s. 569.

http://p29596.typo3server.info/fileadmin/Files/Documents/05_Workshops_Training_Events/Taining_materials/english/D19_6_EN_Solidbiofuels_properties.pdf