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Prof. Fogler's Lecture Notes. This page contains lecture notes from a typical Chemical Reaction Engineering class. The lectures are categorized into 3 different filetypes: Animated, Plain, and PDF.

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Animated lectures are for students who prefer studying bit-by-bit, while plain lectures are not animated.

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Essentials of Chemical Reaction Engineering

On the other hand, if more than one phase is involved, the reaction is said to be heterogeneous. An example is provided by the chemical vapour deposition (CVD) of Si on a substrate (Fogler, 1999, p. 675)

$$\text{SiH}_4(\text{g}) \rightarrow \text{Si}(\text{s}) + 2\text{H}_2(\text{g}) \quad (1.4)$$

(silane) Equation (1.3) represents a non-catalytic reaction, whereas ammonia synthesis involves a solid catalyst.

CH 204: Chemical Reaction Engineering - lecture notes
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Professor of Chemical Engineering at the University of Michigan. His research interests include flow and reaction in porous media, fused chemical relations, gelation kinetics, and chemical reaction engineering problems in the petroleum industry.

Fogler, Elements of Chemical Reaction Engineering, 4th ...

Over the last 20 years Professor Fogler has focused his research on problems in upstream research with focus on asphaltene and paraffin deposition. He has graduated 45 Ph.D. students from his research group and has published over 240 research articles. He and his students are well-known for their work in chemical reaction engineering in petroleum engineering, which encompasses a number of fundamental chemical engineering areas, specifically; reaction

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