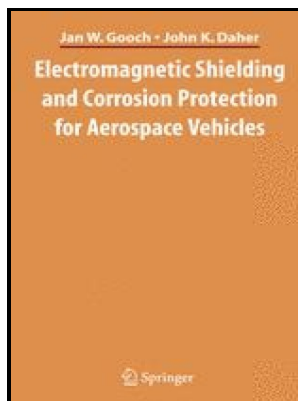


Fundamentals of corrosion

AIChe - Corrosion Basics



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Fundamentals of Corrosion

Electrochemical Reactions: The two metal strips shown below are exposed to the same acid. The course takes place over a 5 day period in a classroom format; four days being talks and practical sessions and the fifth day being a short review and the examination. Unlike weather-related disasters, however, there are time-proven methods to prevent and control corrosion that can reduce or eliminate its impact on public safety, the economy, and the environment.

Fundamentals of Corrosion

It is targeted towards people with no knowledge of corrosion, but with a physical sciences or engineering background. Because the charge of these ions has become smaller more negative charges the ion or atom which has gained the electron s is said to have been reduced.

Corrosion: Fundamentals and Experimental Methods

We say that the zinc cathodically protected the copper from corrosion.

Corrosion Engineering

Basic knowledge of corrosion monitoring and inspection, as well as field and laboratory testing will be covered.

The Fundamentals of Corrosion

Scientists classify corrosion by the type of corrosive attack and the environment to which a surface is exposed. We can prevent corrosion by using metals that form naturally protective passive films, but these alloys are usually expensive, so we have developed other means of corrosion control. Sometimes these elements form ions, charged elements or groups of elements.

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