

Using deuterium to make solar generators



Overview

When deuterium and tritium fuse, they create a helium atom, which has two protons and two neutrons, and an energetic neutron. These energetic neutrons could be the basis for generating energy in future fusion power plants.

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What are the uses of "using" in C#?

User kokos answered the wonderful Hidden Features of C# question by mentioning the using keyword. Can you elaborate on that? What are the uses of using?

"The use of" vs. "using"

I have seen numerous sentences in which placement of the word "using" immediately following a noun causes just such ambiguity as in the first sentence. In some cases, introduction of



"Using" or "by using"?

Not using by means that the technology used is incidental, and the focus is on the approach being shown to be feasible. Without more context it's impossible to say what the intended import of the

How can I generate a self-signed SSL certificate using OpenSSL?

Modern browsers (like the warez we're using in 2014/2015) want a certificate that chains back to a trust anchor, and they want DNS names to be presented in particular ways in the certificate. And browsers



[What is the C# Using block and why should I use it?](#)



The Fusion Fuel Cycle and Blanket

Tritium (T) breeding materials and their configurations must satisfy key criteria 1) Maintain a T breeding ratio (TBR) greater than 1 (account for losses) 2) Absorb fusion power, make it available for



[How to engineer a renewable deuterium-helium-3](#)

To create electricity from fusion using a D-3He fuel cycle, we must engineer a machine that can both operate with and abundantly generate fuels for sustained



The using statement is used to work with an object in C# that implements the IDisposable interface. The IDisposable interface has one public method called Dispose that is used to dispose of the object.



How can I validate an email address using a regular expression?

Using a regular expression that recognizes email addresses could be useful in various situations: for example to scan for email addresses in a document, to validate user input, or as an integrity



Fusion power

OverviewTerminologyBackgroundPlasma behaviorMethodsCommon toolsFuelsMaterial selection

Fusion power is a potential method of electric power generation from heat released by nuclear fusion reactions. In fusion, two light atomic nuclei

combine to form a heavier nucleus and release energy. Devices that use this process are known as fusion reactors. Research on fusion reactors began in the 1940s. As of 2025, the National Ignition Facility

How do I remove the process currently using a port on localhost in

How can I remove the current process/application which is already assigned to a port? For example: localhost:8080



Fuelling

Although different isotopes of light elements can be paired to achieve fusion, the deuterium-tritium (D-T) reaction has been identified as the most efficient for

What is difference between "using" and "by using"?

By using a joystick or a pointing device, an on-screen keyboard allows people with mobility impairments to type data. The second sentence states that the on-screen keyboard is the one that uses the



What is the difference between 'typedef' and 'using'?

Updating the using keyword was specifically for templates, and (as was pointed out in the accepted answer) when you are working with non-templates using and typedef are mechanically identical, so

[DOE Explains Deuterium-Tritium Fusion Fuel](#)

Deuterium and tritium are promising fuels for producing energy in future power plants based on fusion energy. Fusion energy powers the Sun and other stars



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