

An integrated model for materials in a fusion power plant: transmutation, gas production, and helium embrittlement under neutron irradiation

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A **a** **d** **d** **a** **a** **a**
 a : **a** **a** , **a**
d **c** , **a** **d** **b**
d **ad** **a**

M.R. G **b** , **S.L. D** **da** , **S. Z** , **L.W. Pac** **a** **d**
J.-C . **S** **b**

Handwritten notes in blue ink, possibly a signature or reference.

Handwritten notes in blue ink.

Handwritten notes in blue ink.

Ab **ac**

A large, dense block of handwritten musical notation in blue ink, consisting of many staves with notes and stems.

1. I **d** **c**

Handwritten musical notation in blue ink, consisting of several staves.

Handwritten notes in blue ink, possibly a signature or reference.

1. $\frac{1}{x^2} = x^{-2}$
 $\frac{d}{dx} x^{-2} = -2x^{-3} = -\frac{2}{x^3}$
 $\frac{d}{dx} \frac{1}{x^2} = -\frac{2}{x^3}$

2. $\frac{1}{x^3} = x^{-3}$
 $\frac{d}{dx} x^{-3} = -3x^{-4} = -\frac{3}{x^4}$
 $\frac{d}{dx} \frac{1}{x^3} = -\frac{3}{x^4}$

3. $\frac{1}{x^4} = x^{-4}$
 $\frac{d}{dx} x^{-4} = -4x^{-5} = -\frac{4}{x^5}$
 $\frac{d}{dx} \frac{1}{x^4} = -\frac{4}{x^5}$

4. $\frac{1}{x^5} = x^{-5}$
 $\frac{d}{dx} x^{-5} = -5x^{-6} = -\frac{5}{x^6}$
 $\frac{d}{dx} \frac{1}{x^5} = -\frac{5}{x^6}$

5. $\frac{1}{x^6} = x^{-6}$
 $\frac{d}{dx} x^{-6} = -6x^{-7} = -\frac{6}{x^7}$
 $\frac{d}{dx} \frac{1}{x^6} = -\frac{6}{x^7}$

6. $\frac{1}{x^7} = x^{-7}$
 $\frac{d}{dx} x^{-7} = -7x^{-8} = -\frac{7}{x^8}$
 $\frac{d}{dx} \frac{1}{x^7} = -\frac{7}{x^8}$

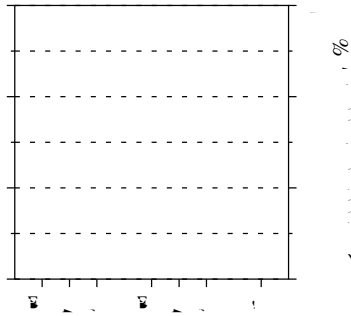
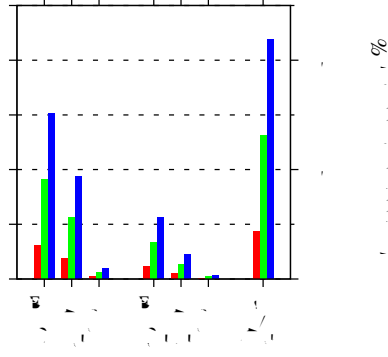
7. $\frac{1}{x^8} = x^{-8}$
 $\frac{d}{dx} x^{-8} = -8x^{-9} = -\frac{8}{x^9}$
 $\frac{d}{dx} \frac{1}{x^8} = -\frac{8}{x^9}$

8. $\frac{1}{x^9} = x^{-9}$
 $\frac{d}{dx} x^{-9} = -9x^{-10} = -\frac{9}{x^{10}}$
 $\frac{d}{dx} \frac{1}{x^9} = -\frac{9}{x^{10}}$

9. $\frac{1}{x^{10}} = x^{-10}$
 $\frac{d}{dx} x^{-10} = -10x^{-11} = -\frac{10}{x^{11}}$
 $\frac{d}{dx} \frac{1}{x^{10}} = -\frac{10}{x^{11}}$

11.11.2015

(a)



...

1. $\frac{1}{2} \int_{-\infty}^{\infty} \delta(x) dx = \frac{1}{2}$
 2. $\int_{-\infty}^{\infty} \delta(x) dx = 1$
 3. $\int_{-\infty}^{\infty} \delta(x) f(x) dx = f(0)$
 4. $\int_{-\infty}^{\infty} \delta(x) dx = 1$
 5. $\int_{-\infty}^{\infty} \delta(x) dx = 1$
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4. S a

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 20. $\int_{-\infty}^{\infty} \delta(x) dx = 1$

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 367 370
 386 388
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 367 370
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