

# Mock modular forms as torus integrals

*Some comments*

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$D_{m/2+1}$	$F_{2,m,1} + F_{2,m,m}$
$E_6$	$F_{2,12,1} + F_{2,12,4} + F_{2,12,6}$
$E_7$	$F_{2,18,1} + F_{2,18,6} + F_{2,18,9}$
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- Integrality properties of  $\chi_2^Y(\tau)$  when  $\text{rk}(Y) \mid 24$ .



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Thank you for your attention!

# Moonshine in physics!

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First nuclear reactor at U. Chicago built in 1942 (E. Fermi)

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The Queen has opened the world's first full-scale nuclear power station, at Calder Hall in Cumberland.

A crowd of several thousand people gathered to watch the opening ceremony, which was also attended by scientists and statesmen from almost 40 different countries.

The Lord Privy Seal, Richard Butler, described the event as "epoch-making".

He added, "It may be that after 1965 every new power station being built will be an atomic power station."

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