

# Oops! One wrong equation caused the climate scare

**R**ED FACES all round among the profiteers of doom. A wrong equation that falsely triples the tiny direct warming caused by doubling CO<sub>2</sub> concentration has been discovered and exposed in a major peer-reviewed paper just published in the *Science Bulletin* of the Chinese Academy of Sciences, one of the world's top learned journals. *No rogue equation, no climate crisis.*

The equation seems quite harmless. Here it is:

$$G_t = (1 - \lambda_0 f_t)^{-1}$$

It says the amount by which climate scientists multiply the direct warming from, say, CO<sub>2</sub> to allow for “temperature feedbacks” – changes to the climate because it has warmed that make it warm still further – is equal to the reciprocal of 1 minus a third of the sum of all the feedbacks.

They say the feedbacks, measured in Watts per square meter of the Earth per Celsius degree of direct warming, add up to 2. So the equation tells them to multiply by 3. Just 1 Celsius degree of warming from doubling CO<sub>2</sub> in the air suddenly, wrongly, becomes 3 degrees. *A non-event becomes a crisis.*

James Hansen – the former director of NASA's Goddard Institute for Space Studies (who once said anyone who questioned his math should be tried for “high crimes against humanity”, for which the penalty is death) – had lifted the rogue equation, the Bode system-gain relation, from a 551-page tome by R.W. Bode about feedback amplification in electronic circuits, published 70 years ago.

Hansen, and the tiny handful of other climate scientists who realized the rogue equation came from electronic circuitry, had assumed it would work for all kinds of dynamical systems from electronic circuits to the Earth's climate. *But it doesn't.*

It applies only to certain systems whose output (in a circuit, the voltage) does not operate to bring the system back into balance after an overload. But in the climate rising temperature restores the balance between incoming and outgoing radiation. Warming acts against the feedbacks. It damps them down.

Also, in a circuit, when the feedbacks reach a threshold value the current suddenly changes direction and goes around the circuit the other way. A positive current instantaneously becomes a negative current. In process engineers' jargon, the current flicks from the positive to the negative rail. But in the climate rising feedbacks cannot flick temperature down when they were driving it up just before.

Why does this matter? Because it means the true warming from a doubling of CO<sub>2</sub> concentration is not 3 or 5 or 10 Celsius. All the scare stories have been wrong from the get-go. Scientists came up with these exaggerated predictions because, and only because, *they were using the wrong equation.*

Take the misplaced equation out of your computer model – as the paper by four leading researchers in the *Science Bulletin* demonstrates – and the climate “crisis” melts away. And it's the only thing that will melt away. Just three months ago, the world had more sea ice than for 35 years. Also, despite record increases in CO<sub>2</sub> concentration, there has been no global warming for 18 years 3 months.

*Now we know why.*

Not a single red cent need have been spent on making global warming go away. But in Paris this December world leaders – unless they and their advisers read the *Science Bulletin* – will approve a savage global-government treaty that will give the unelected UN unprecedented powers to tax and regulate elected governments in the name of Saving The Planet from Thermageddon.

*And all because of one wrong equation.*