

1096-C5-1781 **JoAnne Growney*** (wow@joannegrowney.com), 7981 Eastern Ave, #207, Silver Spring, MD
20910. *Extending the poetry of mathematics to non-mathematicians.*

Many of us know the words of Karl Weierstrass (1815-97) – "It is true that a mathematician, who is not somewhat of a poet, will never be a perfect mathematician." – and of Albert Einstein (1879-1955) – "Pure mathematics is, in its way, the poetry of logical ideas."

Those of us a bit fluent in both mathematics and poetry can compare and perhaps equate the rush of emotion, or the delight, or the "aha" of understanding derived from taking in a powerful and elegant proof with that from a powerful and elegant poem; such experiences prod us to agree with Weierstrass and Einstein. And non-mathematicians may, based on their experiences with poetry, accept mathematics as poetry by analogy – the elation gained from poetry gives them a model for that which is math-generated.

Mathematician and poet JoAnne Growney has engaged in a long and sometimes successful search for samples of mathematics that may seduce non-mathematicians into direct experiences of knowing mathematics-as-poetry. This presentation offers the results of that search. (Received September 16, 2013)