**Atomic Energy (E - Ha) vs. Atomic Number (Z - u)**

Regression/Model Formulation:

STO-2G: <https://www.desmos.com/calculator/xxuhzcdqf2>

STO-3G: <https://www.desmos.com/calculator/i70atqd5mz>

STO-4G: <https://www.desmos.com/calculator/gwil6askif>

STO-5G: <https://www.desmos.com/calculator/9gbebw7s9h>

STO-6G: <https://www.desmos.com/calculator/dal9ck5srk>

Regression Validation:

STO-2G: <https://www.desmos.com/calculator/jum4fq7ueu>

STO-3G: <https://www.desmos.com/calculator/wb96ahxxlo>

STO-4G: <https://www.desmos.com/calculator/sv7fd9gniv>

STO-5G: <https://www.desmos.com/calculator/sqrdgwrmkr>

STO-6G: <https://www.desmos.com/calculator/2kq365184w>

Atomic Energy vs. Atomic Number (Figure 1):

<https://www.desmos.com/calculator/u9kbvasts7>