

Formula

SLA is providing the formula for SGeoid09 free-of-charge to users who wish to incorporate this formula into their end-user product(s) or service(s).

“Formula” refers to the mathematical formula used to derive SGeoid09 and is provided herein as:

GEOID MODEL (GM)

$$GM = 8.94184 + 2.08529 * E - 0.16502 * N - 0.661429 * E^2 - 0.139884 * N^2 + 0.232462 * E^6 * N$$

Where E and N are the normalized easting and northing SVY 21 coordinates

$$E = \frac{(\text{Easting} - 4813.123)}{43462.405} \quad \text{and} \quad N = \frac{(\text{Northing} - 25542.573)}{24037.684}$$

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