/Users/leonslaptop/anaconda3/envs/python39/bin/python /U Mean Absolute Error (MAE): 0.23688536736765747

Process finished with exit code 0

```
Code:
  r, c, d = self.dmap.shape
        a dist = self.dmap[x - 1, y, z]
        a dist = min(a dist, self.dmap[x + 1, y, z])
       b dist = self.dmap[x, y - 1, z]
        b dist = min(b dist, self.dmap[x, y + 1, z])
        c dist = self.dmap[x, y, z - 1]
        c dist = min(c dist, self.dmap[x, y, z + 1])
      F = 1.0 / self.speed[x, y, z]
      if distance < self.dmap[x, y, z]:</pre>
        self.dmap[x, y, z] = distance
```

```
Returns:
- T: float, the updated distance to the node
"""

# Calculate the argument of the square root to check if it's non-negative
sqrt_arg = 2 * F ** 2 - (a - b) ** 2

if sqrt_arg >= 0:
    # Safe to take the square root
    T = (a + b + np.sqrt(sqrt_arg)) / 2
else:
    # Fallback to using only the smallest distance and F if the square root
argument is negative
    T = a + F

# Further check to ensure T does not exceed c, indicating an issue with the chosen distances
if T > c:
    T = a + F
return T
```