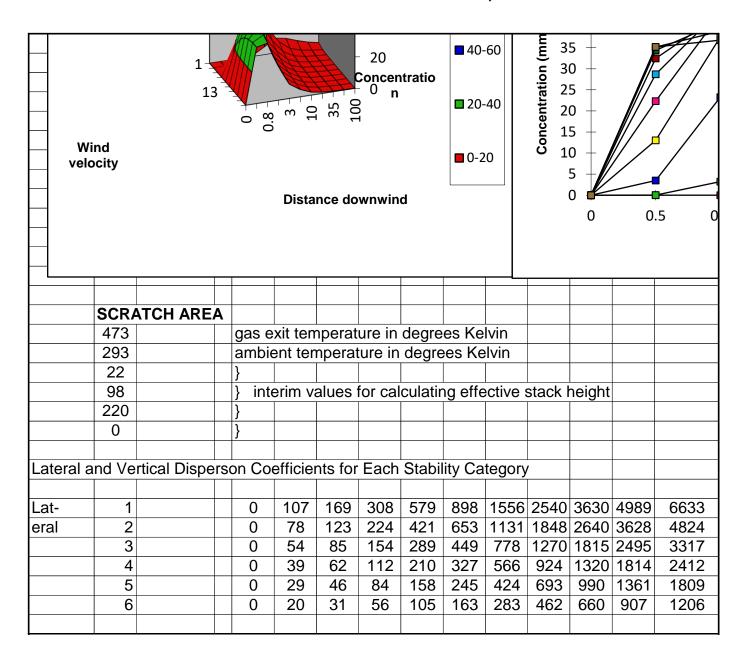
| DIFFUSION C | OF POINT SC | URC | POLL | .UTIO | N | | | | | | | |
|--------------------|------------------|----------|--|-------|-------|-------------------------|--------------|-------|-------------|-----------------|-------|------------|
| | | | | | | | | | | | | |
| Stack height (m) | | | 30 | | | Gas exit velocity (m/s) | | | | 6 | | |
| Stack diameter (m) | | | 2 | | | Gas exit temperature (| | | C) | 200 | | |
| Emission rate | (g/s) | 2 | 10 | | | Ambi | ent Te | mpera | erature 20 | | | |
| | | | | | | | | | | | | |
| Atmospheric | | | | | | ery Ur | | | 4 = Neutral | | | |
| Condition | | 4 | | | | = Moderately Unstable | | | | 5 = Somewhat st | | hat stable |
| Category: | | | | | 3 = S | light u | nstabl | е | | 6 = S | table | |
| | | | | | | | | | | | | L |
| Wind | Effective Ht | | mated (| | | | | | | | | |
| Veloc | Stack | _ | Plume Centerline at Selected Distances (km | | | | ' | | | | | |
| u | H _{eff} | 0 | 0.5 | 8.0 | 1.5 | 3 | 5 | 10 | 20 | 35 | 60 | 100 |
| 1 | 250.3176 | 0 | 0 | 0 | 0 | 1 | 5 | 9 | 8 | 6 | 4 | 2 |
| 3 | 103.4392 | 0 | 0 | 3 | 22 | 26 | 19 | 10 | 5 | 3 | 1 | 1 |
| 5 | 74.06352 | 0 | 3 | 23 | 38 | 25 | 15 | 7 | 3 | 2 | 1 | 1 |
| 7 | 61.47395 | 0 | 13 | 38 | 38 | 20 | 11 | 5 | 2 | 1 | 1 | 0 |
| 9 | 54.47974 | 0 | 22 | 43 | 35 | 17 | 9 | 4 | 2 | 1 | 1 | 0 |
| 11 | 50.02887 | 0 | 29 | 44 | 31 | 14 | 8 | 3 | 1 | 1 | 0 | 0 |
| 13 | 46.94751 | 0 | 32 | 43 | 28 | 13 | 7 | 3 | 1 | 1 | 0 | 0 |
| 15 | 44.68784 | 0 | 34 | 41 | 25 | 11 | 6 | 2 | 1 | 1 | 0 | 0 |
| 17 | 42.95986 | 0 | 35 | 39 | 23 | 10 | 5 | 2 | 1 | 0 | 0 | 0 |
| 19 | 41.59566 | 0 | 35 | 37 | 21 | 9 | 5 | 2 | 1 | 0 | 0 | 0 |
| 3D Plot DIFFUS | | | | | | | | | | | | |
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| Lateral L | _ookup | σ_{y} | 0 | 39 | 62 | 112 | 210 | 327 | 566 | 924 | 1320 | 1814 | 2412 |
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| | | | | | | | | | | | | | |
| Ver- | 1 | | 0 | 100 | 160 | 300 | 600 | 1000 | 2000 | 4000 | 7000 | #### | 20000 |
| ti- | 2 | | 0 | 60 | 96 | 180 | 360 | 600 | 1200 | 2400 | 4200 | 7200 | 12000 |
| cal | 3 | | 0 | 38 | 59 | 105 | 190 | 283 | 462 | 716 | 990 | 1331 | 1746 |
| | 4 | | 0 | 23 | 32 | 50 | 77 | 103 | 150 | 216 | 287 | 377 | 488 |
| | 5 | | 0 | 13 | 19 | 31 | 47 | 60 | 75 | 86 | 91 | 95 | 97 |
| | 6 | | 0 | 7 | 10 | 17 | 25 | 32 | 40 | 46 | 49 | 51 | 52 |
| | | | | | | | | | | | | | |
| Vertical | Looku | σ_{z} | 0 | 23 | 32 | 50 | 77 | 103 | 150 | 216 | 287 | 377 | 488 |

| LEGEND | | | | | | | |
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| Your Formula goes here | | | | | | | |
| Cells to be filled with that formula | | | | | | | |
| Values changed by the user | | | | | | | |
| ookup values needed in the formula | а | | | | | | |
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| ON OF POINT-SOURCE POLLUTION USING A GAUSSIAN DISTRIBUTION | | | | | | | |
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