

Anexo I. Modelo completo con $R_{\text{total}} = 12$ y $L_{\text{total}} = 40$ fijos.

La temperatura central que optimiza el modelo con $R_{\text{total}} = 12$ y $L_{\text{total}} = 40$ ha sido $T_c = 1.84$, con un error asociado de 17.7%.

| E | fase | i | r | P | T | L | M | Rho (E-7) | n |
|-----|--------|-----|------------|-----------|-----------|------------|-----------|-----------|---------|
| ... | ^^^ | -11 | 11.9880000 | 0.0000000 | 0.0004737 | 40.0000000 | 5.0000000 | 0.0000000 | — |
| ... | ^^^ | -10 | 11.8800000 | 0.0000000 | 0.0047796 | 40.0000000 | 5.0000000 | 0.0000000 | — |
| ... | ^^^ | -9 | 11.7720000 | 0.0000000 | 0.0091646 | 40.0000000 | 5.0000000 | 0.0000003 | — |
| ... | ^^^ | -8 | 11.6640000 | 0.0000002 | 0.0136308 | 40.0000000 | 5.0000000 | 0.0000010 | — |
| ... | ^^^ | -7 | 11.5560000 | 0.0000007 | 0.0181805 | 40.0000000 | 5.0000000 | 0.0000026 | — |
| ... | ^^^ | -6 | 11.4480000 | 0.0000017 | 0.0228160 | 40.0000000 | 5.0000000 | 0.0000055 | — |
| ... | ^^^ | -5 | 11.3400000 | 0.0000039 | 0.0275398 | 40.0000000 | 5.0000000 | 0.0000101 | — |
| ... | ^^^ | -4 | 11.2320000 | 0.0000077 | 0.0323545 | 40.0000000 | 5.0000000 | 0.0000170 | — |
| ... | ^^^ | -3 | 11.1240000 | 0.0000139 | 0.0372626 | 40.0000000 | 5.0000000 | 0.0000269 | — |
| ... | ^^^ | -2 | 11.0160000 | 0.0000238 | 0.0422670 | 40.0000000 | 5.0000000 | 0.0000405 | — |
| ... | ^^^ | -1 | 10.9080000 | 0.0000387 | 0.0473705 | 40.0000000 | 5.0000000 | 0.0000586 | — |
| ... | inicio | 0 | 10.8000000 | 0.0000602 | 0.0525760 | 40.0000000 | 5.0000000 | 0.0000823 | — |
| ... | inicio | 1 | 10.6920000 | 0.0000907 | 0.0578867 | 40.0000000 | 5.0000000 | 0.0001125 | — |
| ... | inicio | 2 | 10.5840000 | 0.0001327 | 0.0633058 | 40.0000000 | 5.0000000 | 0.0001505 | — |
| ... | A.1 | 3 | 10.4760000 | 0.0001898 | 0.0688447 | 40.0000000 | 4.9998519 | 0.0001979 | 3.23792 |
| ... | A.1 | 4 | 10.3680000 | 0.0002657 | 0.0745104 | 40.0000000 | 4.9995157 | 0.0002561 | 3.23113 |
| ... | A.1 | 5 | 10.2600000 | 0.0003652 | 0.0802997 | 40.0000000 | 4.9990929 | 0.0003266 | 3.2315 |
| ... | A.1 | 6 | 10.1520000 | 0.0004939 | 0.0862131 | 40.0000000 | 4.9985684 | 0.0004114 | 3.22914 |
| ... | A.1 | 7 | 10.0440000 | 0.0006585 | 0.0922524 | 40.0000000 | 4.9979255 | 0.0005125 | 3.23248 |
| ... | A.1 | 8 | 9.9360000 | 0.0008668 | 0.0984212 | 40.0000000 | 4.9971457 | 0.0006324 | 3.23053 |
| ... | A.1 | 9 | 9.8280000 | 0.0011283 | 0.1047232 | 40.0000000 | 4.9962084 | 0.0007736 | 3.23423 |
| ... | A.1 | 10 | 9.7200000 | 0.0014537 | 0.1111628 | 40.0000000 | 4.9950916 | 0.0009390 | 3.23208 |
| ... | A.1 | 11 | 9.6120000 | 0.0018559 | 0.1177447 | 40.0000000 | 4.9937706 | 0.0011318 | 3.23535 |
| ... | A.1 | 12 | 9.5040000 | 0.0023499 | 0.1244733 | 40.0000000 | 4.9922191 | 0.0013556 | 3.23321 |
| ... | A.1 | 13 | 9.3960000 | 0.0029530 | 0.1313539 | 40.0000000 | 4.9904082 | 0.0016143 | 3.23548 |
| ... | A.1 | 14 | 9.2880000 | 0.0036855 | 0.1383912 | 40.0000000 | 4.9883067 | 0.0019122 | 3.23366 |
| ... | A.1 | 15 | 9.1800000 | 0.0045708 | 0.1455909 | 40.0000000 | 4.9858807 | 0.0022543 | 3.23543 |
| ... | A.1 | 16 | 9.0720000 | 0.0056363 | 0.1529580 | 40.0000000 | 4.9830937 | 0.0026459 | 3.23385 |
| ... | A.1 | 17 | 8.9640000 | 0.0069135 | 0.1604988 | 40.0000000 | 4.9799064 | 0.0030930 | 3.23474 |
| ... | A.1 | 18 | 8.8560000 | 0.0084387 | 0.1682188 | 40.0000000 | 4.9762765 | 0.0036021 | 3.23335 |
| ... | A.1 | 19 | 8.7480000 | 0.0102540 | 0.1761244 | 40.0000000 | 4.9721584 | 0.0041805 | 3.23348 |
| ... | A.1 | 20 | 8.6400000 | 0.0124079 | 0.1842218 | 40.0000000 | 4.9675036 | 0.0048362 | 3.23215 |
| ... | A.1 | 21 | 8.5320000 | 0.0149560 | 0.1925176 | 40.0000000 | 4.9622598 | 0.0055782 | 3.23166 |
| ... | A.1 | 22 | 8.4240000 | 0.0179626 | 0.2010186 | 40.0000000 | 4.9563713 | 0.0064163 | 3.23025 |
| ... | A.1 | 23 | 8.3160000 | 0.0215014 | 0.2097320 | 40.0000000 | 4.9497785 | 0.0073613 | 3.22922 |
| ... | A.1 | 24 | 8.2080000 | 0.0256570 | 0.2186649 | 40.0000000 | 4.9424180 | 0.0084252 | 3.22759 |
| ... | A.1 | 25 | 8.1000000 | 0.0305265 | 0.2278251 | 40.0000000 | 4.9342223 | 0.0096211 | 3.22605 |
| ... | A.1 | 26 | 7.9920000 | 0.0362210 | 0.2372203 | 40.0000000 | 4.9251195 | 0.0109638 | 3.2241 |
| ... | A.1 | 27 | 7.8840000 | 0.0428681 | 0.2468586 | 40.0000000 | 4.9150335 | 0.0124691 | 3.22207 |
| ... | A.1 | 28 | 7.7760000 | 0.0506133 | 0.2567485 | 40.0000000 | 4.9038836 | 0.0141549 | 3.2197 |
| ... | A.1 | 29 | 7.6680000 | 0.0596234 | 0.2668987 | 40.0000000 | 4.8915843 | 0.0160406 | 3.21714 |
| ... | A.1 | 30 | 7.5600000 | 0.0700885 | 0.2773180 | 40.0000000 | 4.8780454 | 0.0181476 | 3.21426 |
| ... | A.1 | 31 | 7.4520000 | 0.0822261 | 0.2880159 | 40.0000000 | 4.8631717 | 0.0204995 | 3.21112 |
| ... | A.1 | 32 | 7.3440000 | 0.0962836 | 0.2990018 | 40.0000000 | 4.8468630 | 0.0231222 | 3.20765 |
| ... | A.1 | 33 | 7.2360000 | 0.1125435 | 0.3102855 | 40.0000000 | 4.8290140 | 0.0260441 | 3.20387 |
| ... | A.1 | 34 | 7.1280000 | 0.1313270 | 0.3218773 | 40.0000000 | 4.8095144 | 0.0292964 | 3.19972 |
| ... | A.1 | 35 | 7.0200000 | 0.1529995 | 0.3337875 | 40.0000000 | 4.7882487 | 0.0329132 | 3.1952 |
| ... | A.1 | 36 | 6.9120000 | 0.1779762 | 0.3460268 | 40.0000000 | 4.7650962 | 0.0369320 | 3.19027 |
| ... | A.1 | 37 | 6.8040000 | 0.2067283 | 0.3586063 | 40.0000000 | 4.7399314 | 0.0413935 | 3.18491 |
| ... | A.1 | 38 | 6.6960000 | 0.2397900 | 0.3715372 | 40.0000000 | 4.7126240 | 0.0463425 | 3.1791 |
| ... | A.1 | 39 | 6.5880000 | 0.2777663 | 0.3848308 | 40.0000000 | 4.6830390 | 0.0518275 | 3.17279 |

Cuadro 1: Desde la capa -11 hasta la 39.

| E | fase | i | r | P | T | L | M | Rho (E-7) | n |
|-----|--------|-----|-----------|------------|-----------|------------|-----------|-----------|---------|
| ... | A.1 | 40 | 6.4800000 | 0.3213411 | 0.3984991 | 40.0000000 | 4.6510371 | 0.0579015 | 3.16596 |
| PP | A.1 | 41 | 6.3720000 | 0.3712869 | 0.4125539 | 39.9999961 | 4.6164753 | 0.0646219 | 3.15857 |
| PP | A.1 | 42 | 6.2640000 | 0.4284745 | 0.4270074 | 39.9999841 | 4.5792073 | 0.0720510 | 3.15058 |
| PP | A.1 | 43 | 6.1560000 | 0.4938843 | 0.4418718 | 39.9999672 | 4.5390837 | 0.0802564 | 3.14195 |
| PP | A.1 | 44 | 6.0480000 | 0.5686176 | 0.4571596 | 39.9999423 | 4.4959536 | 0.0893106 | 3.13265 |
| PP | A.1 | 45 | 5.9400000 | 0.6539095 | 0.4728832 | 39.9999060 | 4.4496649 | 0.0992920 | 3.12261 |
| PP | A.1 | 46 | 5.8320000 | 0.7511417 | 0.4890552 | 39.9998530 | 4.4000655 | 0.1102845 | 3.1118 |
| PP | A.1 | 47 | 5.7240000 | 0.8618566 | 0.5056881 | 39.9997761 | 4.3470047 | 0.1223779 | 3.10016 |
| PP | A.1 | 48 | 5.6160000 | 0.9877712 | 0.5227943 | 39.9996648 | 4.2903345 | 0.1356676 | 3.08762 |
| PP | A.1 | 49 | 5.5080000 | 1.1307914 | 0.5403862 | 39.9995044 | 4.2299116 | 0.1502550 | 3.07414 |
| PP | A.1 | 50 | 5.4000000 | 1.2930263 | 0.5584758 | 39.9992740 | 4.1655987 | 0.1662469 | 3.05965 |
| PP | A.1 | 51 | 5.2920000 | 1.4768013 | 0.5770750 | 39.9989444 | 4.0972675 | 0.1837555 | 3.04407 |
| PP | A.1 | 52 | 5.1840000 | 1.6846706 | 0.5961951 | 39.9984746 | 4.0248001 | 0.2028977 | 3.02734 |
| PP | A.1 | 53 | 5.0760000 | 1.9194275 | 0.6158471 | 39.9977997 | 3.9480923 | 0.2237945 | 3.00937 |
| PP | A.1 | 54 | 4.9680000 | 2.1841125 | 0.6360412 | 39.9968476 | 3.8670564 | 0.2465701 | 2.99008 |
| PP | A.1 | 55 | 4.8600000 | 2.4820174 | 0.6567871 | 39.9955533 | 3.7816238 | 0.2713506 | 2.96937 |
| PP | A.1 | 56 | 4.7520000 | 2.8166850 | 0.6780936 | 39.9937960 | 3.6917490 | 0.2982629 | 2.94715 |
| PP | A.1 | 57 | 4.6440000 | 3.1919030 | 0.6999685 | 39.9914204 | 3.5974124 | 0.3274325 | 2.92331 |
| PP | A.1 | 58 | 4.5360000 | 3.6116903 | 0.7224184 | 39.9882235 | 3.4986245 | 0.3589817 | 2.89775 |
| PP | A.1 | 59 | 4.4280000 | 4.0802754 | 0.7454488 | 39.9839417 | 3.3954292 | 0.3930269 | 2.87035 |
| PP | A.1 | 60 | 4.3200000 | 4.6020387 | 0.7690636 | 39.9782351 | 3.2879076 | 0.4296736 | 2.84071 |
| PP | A.1 | 61 | 4.2120000 | 5.1815127 | 0.7932650 | 39.9706693 | 3.1761879 | 0.4690174 | 2.80932 |
| PP | A.1 | 62 | 4.1040000 | 5.8233366 | 0.8180537 | 39.9606931 | 3.0604308 | 0.5111410 | 2.77576 |
| PP | A.1 | 63 | 3.9960000 | 6.5321313 | 0.8434288 | 39.9476141 | 2.9408490 | 0.5561054 | 2.73978 |
| PP | A.1 | 64 | 3.8880000 | 7.3124252 | 0.8693870 | 39.9305705 | 2.8177066 | 0.6039471 | 2.70127 |
| PP | A.1 | 65 | 3.7800000 | 8.1685605 | 0.8959230 | 39.9085016 | 2.6913194 | 0.6546746 | 2.66008 |
| PP | A.1 | 66 | 3.6720000 | 9.1045689 | 0.9230290 | 39.8801167 | 2.5620565 | 0.7082631 | 2.61605 |
| PP | A.1 | 67 | 3.5640000 | 10.1240339 | 0.9506951 | 39.8442145 | 2.4303415 | 0.7646504 | 2.56898 |
| PP | A.1 | 68 | 3.4560000 | 11.2299394 | 0.9789089 | 39.7995644 | 2.2966511 | 0.8237317 | 2.51867 |
| PP | A.1 | 69 | 3.3480000 | 12.4245067 | 1.0076554 | 39.7441944 | 2.1615140 | 0.8853556 | 2.46493 |
| PP | A.1 | 70 | 3.2400000 | 13.7090231 | 1.0369175 | 39.6761078 | 2.0255072 | 0.9493206 | 2.40753 |
| PP | A.1 | 71 | 3.1320000 | 15.0836680 | 1.0666755 | 39.5930916 | 1.8892519 | 1.0153722 | 2.34627 |
| PP | A.1 | 72 | 3.0240000 | 16.5473410 | 1.0969076 | 39.4927710 | 1.7534070 | 1.0832003 | 2.28087 |
| PP | A.1 | 73 | 2.9160000 | 18.0975007 | 1.1275903 | 39.3726678 | 1.6186620 | 1.1524389 | 2.21107 |
| PP | A.1 | 74 | 2.8080000 | 19.7300216 | 1.1586984 | 39.2302839 | 1.4857273 | 1.2226658 | 2.13656 |
| PP | A.1 | 75 | 2.7000000 | 21.4390764 | 1.1902063 | 39.0632107 | 1.3553243 | 1.2934047 | 2.05701 |
| PP | A.1 | 76 | 2.5920000 | 23.2170536 | 1.2220883 | 38.8699687 | 1.2281739 | 1.3641280 | 1.97199 |
| PP | A.1 | 77 | 2.4840000 | 25.0545165 | 1.2543207 | 38.6505426 | 1.1049836 | 1.4342606 | 1.88098 |
| PP | A.1 | 78 | 2.3760000 | 26.9402095 | 1.2868827 | 38.4048770 | 0.9864349 | 1.5031857 | 1.78353 |
| PP | A.1 | 79 | 2.2680000 | 28.8611197 | 1.3197574 | 38.1330340 | 0.8731696 | 1.5702532 | 1.67916 |
| PP | A.1 | 80 | 2.1600000 | 30.8025962 | 1.3529333 | 37.8359865 | 0.7657769 | 1.6347884 | 1.56739 |
| PP | CONVEC | 81 | 2.0520000 | 36.4224168 | 1.4466432 | 35.4912674 | 0.7678634 | 1.8078314 | 1.44771 |
| PP | CONVEC | 82 | 1.9440000 | 38.8237598 | 1.4840652 | 35.0366564 | 0.6672749 | 1.8784309 | — |
| CNO | CONVEC | 83 | 1.8360000 | 41.2319110 | 1.5202231 | 34.5097198 | 0.5738482 | 1.9474968 | — |
| CNO | CONVEC | 84 | 1.7280000 | 43.6309570 | 1.5550052 | 33.7655763 | 0.4878259 | 2.0147145 | — |
| CNO | CONVEC | 85 | 1.6200000 | 46.0042067 | 1.5883015 | 32.6733060 | 0.4093704 | 2.0797695 | — |
| CNO | CONVEC | 86 | 1.5120000 | 48.3343581 | 1.6200049 | 31.1881136 | 0.3385605 | 2.1423492 | — |
| CNO | CONVEC | 87 | 1.4040000 | 50.6036798 | 1.6500108 | 29.2715741 | 0.2753897 | 2.2021451 | — |
| CNO | CONVEC | 88 | 1.2960000 | 52.7942021 | 1.6782182 | 26.8930009 | 0.2197657 | 2.2588553 | — |
| CNO | CONVEC | 89 | 1.1880000 | 54.8879113 | 1.7045299 | 24.0629679 | 0.1715099 | 2.3121856 | — |
| CNO | CONVEC | 90 | 1.0800000 | 56.8669354 | 1.7288522 | 20.8419413 | 0.1303594 | 2.3618514 | — |
| CNO | CONVEC | 91 | 0.9720000 | 58.7137041 | 1.7510951 | 17.3452808 | 0.0959690 | 2.4075780 | — |
| CNO | CONVEC | 92 | 0.8640000 | 60.4110504 | 1.7711710 | 13.7392050 | 0.0679147 | 2.4491000 | — |
| CNO | CONVEC | 93 | 0.7560000 | 61.9421884 | 1.7889927 | 10.2259253 | 0.0456979 | 2.4861573 | — |
| CNO | CONVEC | 94 | 0.6480000 | 63.2904180 | 1.8044677 | 7.0183694 | 0.0287514 | 2.5184855 | — |
| CNO | CONVEC | 95 | 0.5400000 | 64.4381657 | 1.8174866 | 4.3076303 | 0.0164444 | 2.5457900 | — |
| CNO | CONVEC | 96 | 0.4320000 | 65.3642116 | 1.8278895 | 2.2287614 | 0.0080925 | 2.5676788 | — |
| CNO | CONVEC | 97 | 0.3240000 | 66.0334695 | 1.8353529 | 0.7909904 | 0.0029650 | 2.5834208 | — |
| — | CENTRO | 98 | 0.2160000 | 66.2982609 | 1.8382933 | 0.3461330 | 0.0011061 | 2.5896314 | — |
| — | CENTRO | 99 | 0.1080000 | 66.6329516 | 1.8419997 | 0.0432666 | 0.0001383 | 2.5974674 | — |
| — | CENTRO | 100 | 0.0000000 | 66.7447399 | 1.8432352 | 0.0000000 | 0.0000000 | 2.6000812 | — |

Cuadro 2: Desde la capa 40 hasta la 100.