

The Equation Behind the GUMMO Beat

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January 2025

We present the first 1000 terms of the Fourier series for the initial 4 bars of Pi'erre Bourne's beat in 6ix9ine's song "Gummo." The Fourier series approximates periodic functions with sums of sine and cosine. Below is the equation modeling the song's audio waveform:

Let $T = \frac{147107}{24000}$ be the period of the signal. The audio waveform $f(t)$ is given by the approximation:

$$\begin{aligned} f(t) = & -0.0003319418 + 0.0006089879 \cos\left(2\pi(1)\frac{t}{T}\right) - 0.0000769264 \sin\left(2\pi(1)\frac{t}{T}\right) - \\ & 0.0005374351 \cos\left(2\pi(2)\frac{t}{T}\right) - 0.0005683814 \sin\left(2\pi(2)\frac{t}{T}\right) + 0.0005844283 \cos\left(2\pi(3)\frac{t}{T}\right) - \\ & 0.0000198694 \sin\left(2\pi(3)\frac{t}{T}\right) + 0.0005080338 \cos\left(2\pi(4)\frac{t}{T}\right) - 0.0013069338 \sin\left(2\pi(4)\frac{t}{T}\right) + \\ & 0.0007182817 \cos\left(2\pi(5)\frac{t}{T}\right) + 0.0000020304 \sin\left(2\pi(5)\frac{t}{T}\right) + 0.0002144913 \cos\left(2\pi(6)\frac{t}{T}\right) - \\ & 0.0005705285 \sin\left(2\pi(6)\frac{t}{T}\right) + 0.0005074504 \cos\left(2\pi(7)\frac{t}{T}\right) + 0.0000592402 \sin\left(2\pi(7)\frac{t}{T}\right) + \\ & 0.0021394493 \cos\left(2\pi(8)\frac{t}{T}\right) + 0.0026672181 \sin\left(2\pi(8)\frac{t}{T}\right) + 0.0004618832 \cos\left(2\pi(9)\frac{t}{T}\right) + \\ & 0.0001399678 \sin\left(2\pi(9)\frac{t}{T}\right) + 0.0057246385 \cos\left(2\pi(10)\frac{t}{T}\right) + 0.0000934063 \sin\left(2\pi(10)\frac{t}{T}\right) + \\ & 0.0005490404 \cos\left(2\pi(11)\frac{t}{T}\right) - 0.0001706457 \sin\left(2\pi(11)\frac{t}{T}\right) + 0.0027573927 \cos\left(2\pi(12)\frac{t}{T}\right) - \\ & 0.0036621540 \sin\left(2\pi(12)\frac{t}{T}\right) + 0.0004995650 \cos\left(2\pi(13)\frac{t}{T}\right) - 0.0001335306 \sin\left(2\pi(13)\frac{t}{T}\right) + \\ & 0.0005812939 \cos\left(2\pi(14)\frac{t}{T}\right) - 0.0007722434 \sin\left(2\pi(14)\frac{t}{T}\right) + 0.0007556990 \cos\left(2\pi(15)\frac{t}{T}\right) + \\ & 0.0001694783 \sin\left(2\pi(15)\frac{t}{T}\right) + 0.0015744081 \cos\left(2\pi(16)\frac{t}{T}\right) + 0.0003030562 \sin\left(2\pi(16)\frac{t}{T}\right) + \\ & 0.0008671549 \cos\left(2\pi(17)\frac{t}{T}\right) + 0.0001813067 \sin\left(2\pi(17)\frac{t}{T}\right) + 0.0005911778 \cos\left(2\pi(18)\frac{t}{T}\right) + \\ & 0.0015078932 \sin\left(2\pi(18)\frac{t}{T}\right) + 0.0008528073 \cos\left(2\pi(19)\frac{t}{T}\right) + 0.0001925406 \sin\left(2\pi(19)\frac{t}{T}\right) + \\ & 0.0041442923 \cos\left(2\pi(20)\frac{t}{T}\right) + 0.0028856871 \sin\left(2\pi(20)\frac{t}{T}\right) + 0.0006717005 \cos\left(2\pi(21)\frac{t}{T}\right) - \\ & 0.0001347026 \sin\left(2\pi(21)\frac{t}{T}\right) + 0.0055764887 \cos\left(2\pi(22)\frac{t}{T}\right) - 0.0014793144 \sin\left(2\pi(22)\frac{t}{T}\right) + \\ & 0.0001877082 \cos\left(2\pi(23)\frac{t}{T}\right) - 0.0001245821 \sin\left(2\pi(23)\frac{t}{T}\right) + 0.0011474117 \cos\left(2\pi(24)\frac{t}{T}\right) - \\ & 0.0020498839 \sin\left(2\pi(24)\frac{t}{T}\right) + 0.0003796565 \cos\left(2\pi(25)\frac{t}{T}\right) + 0.0003441135 \sin\left(2\pi(25)\frac{t}{T}\right) + \\ & 0.0009980070 \cos\left(2\pi(26)\frac{t}{T}\right) + 0.0003061732 \sin\left(2\pi(26)\frac{t}{T}\right) + 0.0007603050 \cos\left(2\pi(27)\frac{t}{T}\right) + \\ & 0.0003831282 \sin\left(2\pi(27)\frac{t}{T}\right) + 0.0007871326 \cos\left(2\pi(28)\frac{t}{T}\right) + 0.0010061646 \sin\left(2\pi(28)\frac{t}{T}\right) + \\ & 0.0009051593 \cos\left(2\pi(29)\frac{t}{T}\right) + 0.0003255549 \sin\left(2\pi(29)\frac{t}{T}\right) + 0.0020099187 \cos\left(2\pi(30)\frac{t}{T}\right) + \\ & 0.0039788658 \sin\left(2\pi(30)\frac{t}{T}\right) + 0.0009227516 \cos\left(2\pi(31)\frac{t}{T}\right) - 0.0001329426 \sin\left(2\pi(31)\frac{t}{T}\right) + \\ & 0.0060421756 \cos\left(2\pi(32)\frac{t}{T}\right) + 0.0016602865 \sin\left(2\pi(32)\frac{t}{T}\right) + 0.0002070651 \cos\left(2\pi(33)\frac{t}{T}\right) - \\ & 0.0003064405 \sin\left(2\pi(33)\frac{t}{T}\right) + 0.0031122893 \cos\left(2\pi(34)\frac{t}{T}\right) - 0.0020478287 \sin\left(2\pi(34)\frac{t}{T}\right) + \\ & 0.0001599640 \cos\left(2\pi(35)\frac{t}{T}\right) + 0.0004115747 \sin\left(2\pi(35)\frac{t}{T}\right) + 0.0006000584 \cos\left(2\pi(36)\frac{t}{T}\right) + \\ & 0.0006281261 \sin\left(2\pi(36)\frac{t}{T}\right) + 0.0007308674 \cos\left(2\pi(37)\frac{t}{T}\right) + 0.0003771714 \sin\left(2\pi(37)\frac{t}{T}\right) + \end{aligned}$$

$$\begin{aligned}
& 0.0012358263 \cos\left(2\pi(38)\frac{t}{T}\right) + 0.0013592035 \sin\left(2\pi(38)\frac{t}{T}\right) + 0.0006353624 \cos\left(2\pi(39)\frac{t}{T}\right) + \\
& 0.0000857085 \sin\left(2\pi(39)\frac{t}{T}\right) + 0.0003014178 \cos\left(2\pi(40)\frac{t}{T}\right) + 0.0025157692 \sin\left(2\pi(40)\frac{t}{T}\right) + \\
& 0.0007994207 \cos\left(2\pi(41)\frac{t}{T}\right) + 0.0001463819 \sin\left(2\pi(41)\frac{t}{T}\right) + 0.0035251717 \cos\left(2\pi(42)\frac{t}{T}\right) + \\
& 0.0039244164 \sin\left(2\pi(42)\frac{t}{T}\right) + 0.0006752456 \cos\left(2\pi(43)\frac{t}{T}\right) - 0.0003656669 \sin\left(2\pi(43)\frac{t}{T}\right) + \\
& 0.0042439657 \cos\left(2\pi(44)\frac{t}{T}\right) + 0.0000167000 \sin\left(2\pi(44)\frac{t}{T}\right) + 0.0001132032 \cos\left(2\pi(45)\frac{t}{T}\right) - \\
& 0.0002202662 \sin\left(2\pi(45)\frac{t}{T}\right) + 0.0004014647 \cos\left(2\pi(46)\frac{t}{T}\right) - 0.0002946186 \sin\left(2\pi(46)\frac{t}{T}\right) + \\
& 0.0004688873 \cos\left(2\pi(47)\frac{t}{T}\right) + 0.0002112742 \sin\left(2\pi(47)\frac{t}{T}\right) + 0.0008757993 \cos\left(2\pi(48)\frac{t}{T}\right) + \\
& 0.0018398573 \sin\left(2\pi(48)\frac{t}{T}\right) + 0.0005609994 \cos\left(2\pi(49)\frac{t}{T}\right) + 0.0001163365 \sin\left(2\pi(49)\frac{t}{T}\right) + \\
& 0.0007669594 \cos\left(2\pi(50)\frac{t}{T}\right) + 0.0015908863 \sin\left(2\pi(50)\frac{t}{T}\right) + 0.0005174596 \cos\left(2\pi(51)\frac{t}{T}\right) + \\
& 0.0003417741 \sin\left(2\pi(51)\frac{t}{T}\right) + 0.0007360932 \cos\left(2\pi(52)\frac{t}{T}\right) + 0.0031530546 \sin\left(2\pi(52)\frac{t}{T}\right) + \\
& 0.0008539238 \cos\left(2\pi(53)\frac{t}{T}\right) - 0.0001240676 \sin\left(2\pi(53)\frac{t}{T}\right) + 0.0033680680 \cos\left(2\pi(54)\frac{t}{T}\right) + \\
& 0.0020962708 \sin\left(2\pi(54)\frac{t}{T}\right) + 0.0003619991 \cos\left(2\pi(55)\frac{t}{T}\right) - 0.0005708137 \sin\left(2\pi(55)\frac{t}{T}\right) + \\
& 0.0017044938 \cos\left(2\pi(56)\frac{t}{T}\right) - 0.0000613837 \sin\left(2\pi(56)\frac{t}{T}\right) + 0.0001693810 \cos\left(2\pi(57)\frac{t}{T}\right) + \\
& 0.0000816818 \sin\left(2\pi(57)\frac{t}{T}\right) + 0.0000280889 \cos\left(2\pi(58)\frac{t}{T}\right) + 0.0016732585 \sin\left(2\pi(58)\frac{t}{T}\right) + \\
& 0.0004941900 \cos\left(2\pi(59)\frac{t}{T}\right) + 0.0000617564 \sin\left(2\pi(59)\frac{t}{T}\right) + 0.0007817103 \cos\left(2\pi(60)\frac{t}{T}\right) + \\
& 0.0015283673 \sin\left(2\pi(60)\frac{t}{T}\right) + 0.0002546725 \cos\left(2\pi(61)\frac{t}{T}\right) - 0.0000358864 \sin\left(2\pi(61)\frac{t}{T}\right) + \\
& 0.0002593633 \cos\left(2\pi(62)\frac{t}{T}\right) + 0.0016277093 \sin\left(2\pi(62)\frac{t}{T}\right) + 0.0006218130 \cos\left(2\pi(63)\frac{t}{T}\right) + \\
& 0.0001320923 \sin\left(2\pi(63)\frac{t}{T}\right) + 0.0016046922 \cos\left(2\pi(64)\frac{t}{T}\right) + 0.0030146897 \sin\left(2\pi(64)\frac{t}{T}\right) + \\
& 0.0006933358 \cos\left(2\pi(65)\frac{t}{T}\right) - 0.0004943800 \sin\left(2\pi(65)\frac{t}{T}\right) + 0.0018439426 \cos\left(2\pi(66)\frac{t}{T}\right) + \\
& 0.0009178348 \sin\left(2\pi(66)\frac{t}{T}\right) + 0.0001466037 \cos\left(2\pi(67)\frac{t}{T}\right) - 0.0002547317 \sin\left(2\pi(67)\frac{t}{T}\right) - \\
& 0.0001475791 \cos\left(2\pi(68)\frac{t}{T}\right) + 0.0007089712 \sin\left(2\pi(68)\frac{t}{T}\right) + 0.0006399966 \cos\left(2\pi(69)\frac{t}{T}\right) + \\
& 0.0002398987 \sin\left(2\pi(69)\frac{t}{T}\right) + 0.0008230322 \cos\left(2\pi(70)\frac{t}{T}\right) + 0.0021835919 \sin\left(2\pi(70)\frac{t}{T}\right) + \\
& 0.0006391645 \cos\left(2\pi(71)\frac{t}{T}\right) - 0.0004151715 \sin\left(2\pi(71)\frac{t}{T}\right) + 0.0007659277 \cos\left(2\pi(72)\frac{t}{T}\right) + \\
& 0.0010393839 \sin\left(2\pi(72)\frac{t}{T}\right) + 0.0002953197 \cos\left(2\pi(73)\frac{t}{T}\right) - 0.0002945308 \sin\left(2\pi(73)\frac{t}{T}\right) - \\
& 0.0002735600 \cos\left(2\pi(74)\frac{t}{T}\right) + 0.0016874540 \sin\left(2\pi(74)\frac{t}{T}\right) + 0.0008208852 \cos\left(2\pi(75)\frac{t}{T}\right) - \\
& 0.0001279399 \sin\left(2\pi(75)\frac{t}{T}\right) + 0.0014279533 \cos\left(2\pi(76)\frac{t}{T}\right) + 0.0018343931 \sin\left(2\pi(76)\frac{t}{T}\right) + \\
& 0.0007022069 \cos\left(2\pi(77)\frac{t}{T}\right) - 0.0003321771 \sin\left(2\pi(77)\frac{t}{T}\right) + 0.0004768908 \cos\left(2\pi(78)\frac{t}{T}\right) + \\
& 0.0005245923 \sin\left(2\pi(78)\frac{t}{T}\right) + 0.0007158346 \cos\left(2\pi(79)\frac{t}{T}\right) + 0.0000250880 \sin\left(2\pi(79)\frac{t}{T}\right) - \\
& 0.0003247552 \cos\left(2\pi(80)\frac{t}{T}\right) + 0.0020839655 \sin\left(2\pi(80)\frac{t}{T}\right) + 0.0010691497 \cos\left(2\pi(81)\frac{t}{T}\right) - \\
& 0.0005556773 \sin\left(2\pi(81)\frac{t}{T}\right) + 0.0017459605 \cos\left(2\pi(82)\frac{t}{T}\right) + 0.0010566124 \sin\left(2\pi(82)\frac{t}{T}\right) + \\
& 0.0003485447 \cos\left(2\pi(83)\frac{t}{T}\right) - 0.0007082977 \sin\left(2\pi(83)\frac{t}{T}\right) + 0.0001757876 \cos\left(2\pi(84)\frac{t}{T}\right) - \\
& 0.0003565894 \sin\left(2\pi(84)\frac{t}{T}\right) + 0.0004661033 \cos\left(2\pi(85)\frac{t}{T}\right) + 0.0000232303 \sin\left(2\pi(85)\frac{t}{T}\right) - \\
& 0.0006598732 \cos\left(2\pi(86)\frac{t}{T}\right) + 0.0019688453 \sin\left(2\pi(86)\frac{t}{T}\right) + 0.0008463970 \cos\left(2\pi(87)\frac{t}{T}\right) - \\
& 0.0003465249 \sin\left(2\pi(87)\frac{t}{T}\right) + 0.0006717777 \cos\left(2\pi(88)\frac{t}{T}\right) + 0.0010830539 \sin\left(2\pi(88)\frac{t}{T}\right) + \\
& 0.0005795250 \cos\left(2\pi(89)\frac{t}{T}\right) - 0.0000974242 \sin\left(2\pi(89)\frac{t}{T}\right) + 0.0000037199 \cos\left(2\pi(90)\frac{t}{T}\right) + \\
& 0.0007136735 \sin\left(2\pi(90)\frac{t}{T}\right) + 0.0012717486 \cos\left(2\pi(91)\frac{t}{T}\right) - 0.0002989983 \sin\left(2\pi(91)\frac{t}{T}\right) + \\
& 0.0014923814 \cos\left(2\pi(92)\frac{t}{T}\right) + 0.0015219165 \sin\left(2\pi(92)\frac{t}{T}\right) + 0.0007086362 \cos\left(2\pi(93)\frac{t}{T}\right) - \\
& 0.0013986158 \sin\left(2\pi(93)\frac{t}{T}\right) + 0.0009531130 \cos\left(2\pi(94)\frac{t}{T}\right) - 0.0011299231 \sin\left(2\pi(94)\frac{t}{T}\right) + \\
& 0.0001231869 \cos\left(2\pi(95)\frac{t}{T}\right) - 0.0001198444 \sin\left(2\pi(95)\frac{t}{T}\right) - 0.0016777801 \cos\left(2\pi(96)\frac{t}{T}\right) + \\
& 0.0003352904 \sin\left(2\pi(96)\frac{t}{T}\right) + 0.0014220445 \cos\left(2\pi(97)\frac{t}{T}\right) + 0.0002210273 \sin\left(2\pi(97)\frac{t}{T}\right) + \\
& 0.0002814432 \cos\left(2\pi(98)\frac{t}{T}\right) + 0.0021320606 \sin\left(2\pi(98)\frac{t}{T}\right) + 0.0011444869 \cos\left(2\pi(99)\frac{t}{T}\right) - \\
& 0.0008832998 \sin\left(2\pi(99)\frac{t}{T}\right) + 0.0001219820 \cos\left(2\pi(100)\frac{t}{T}\right) + 0.0009711810 \sin\left(2\pi(100)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.0012556862 \cos\left(2\pi(101)\frac{t}{T}\right) - 0.0006195087 \sin\left(2\pi(101)\frac{t}{T}\right) + 0.0007261582 \cos\left(2\pi(102)\frac{t}{T}\right) + \\
& 0.0021402361 \sin\left(2\pi(102)\frac{t}{T}\right) + 0.0015700611 \cos\left(2\pi(103)\frac{t}{T}\right) - 0.0014533044 \sin\left(2\pi(103)\frac{t}{T}\right) + \\
& 0.0030521121 \cos\left(2\pi(104)\frac{t}{T}\right) - 0.0008435490 \sin\left(2\pi(104)\frac{t}{T}\right) - 0.0000996333 \cos\left(2\pi(105)\frac{t}{T}\right) - \\
& 0.0009101612 \sin\left(2\pi(105)\frac{t}{T}\right) - 0.0013285936 \cos\left(2\pi(106)\frac{t}{T}\right) - 0.0023266531 \sin\left(2\pi(106)\frac{t}{T}\right) + \\
& 0.0009542241 \cos\left(2\pi(107)\frac{t}{T}\right) + 0.0004892065 \sin\left(2\pi(107)\frac{t}{T}\right) - 0.0019486983 \cos\left(2\pi(108)\frac{t}{T}\right) + \\
& 0.0016425409 \sin\left(2\pi(108)\frac{t}{T}\right) + 0.0020898863 \cos\left(2\pi(109)\frac{t}{T}\right) - 0.0007763158 \sin\left(2\pi(109)\frac{t}{T}\right) + \\
& 0.0004008735 \cos\left(2\pi(110)\frac{t}{T}\right) + 0.0007892263 \sin\left(2\pi(110)\frac{t}{T}\right) + 0.0016424284 \cos\left(2\pi(111)\frac{t}{T}\right) - \\
& 0.0005519376 \sin\left(2\pi(111)\frac{t}{T}\right) - 0.0001400483 \cos\left(2\pi(112)\frac{t}{T}\right) + 0.0020544654 \sin\left(2\pi(112)\frac{t}{T}\right) + \\
& 0.0025989985 \cos\left(2\pi(113)\frac{t}{T}\right) - 0.0014119008 \sin\left(2\pi(113)\frac{t}{T}\right) + 0.0037875688 \cos\left(2\pi(114)\frac{t}{T}\right) + \\
& 0.0013376891 \sin\left(2\pi(114)\frac{t}{T}\right) + 0.0007436659 \cos\left(2\pi(115)\frac{t}{T}\right) - 0.0028742370 \sin\left(2\pi(115)\frac{t}{T}\right) + \\
& 0.0014815536 \cos\left(2\pi(116)\frac{t}{T}\right) - 0.0048942334 \sin\left(2\pi(116)\frac{t}{T}\right) + 0.0001533609 \cos\left(2\pi(117)\frac{t}{T}\right) + \\
& 0.0001522511 \sin\left(2\pi(117)\frac{t}{T}\right) - 0.0034691899 \cos\left(2\pi(118)\frac{t}{T}\right) - 0.0009882593 \sin\left(2\pi(118)\frac{t}{T}\right) + \\
& 0.0026875292 \cos\left(2\pi(119)\frac{t}{T}\right) + 0.0002652227 \sin\left(2\pi(119)\frac{t}{T}\right) - 0.0002383137 \cos\left(2\pi(120)\frac{t}{T}\right) + \\
& 0.0020739140 \sin\left(2\pi(120)\frac{t}{T}\right) + 0.0021644255 \cos\left(2\pi(121)\frac{t}{T}\right) - 0.0010826500 \sin\left(2\pi(121)\frac{t}{T}\right) - \\
& 0.0002052284 \cos\left(2\pi(122)\frac{t}{T}\right) + 0.0005722904 \sin\left(2\pi(122)\frac{t}{T}\right) + 0.0032383024 \cos\left(2\pi(123)\frac{t}{T}\right) - \\
& 0.0008092776 \sin\left(2\pi(123)\frac{t}{T}\right) + 0.0030655857 \cos\left(2\pi(124)\frac{t}{T}\right) + 0.0022451369 \sin\left(2\pi(124)\frac{t}{T}\right) + \\
& 0.0026054757 \cos\left(2\pi(125)\frac{t}{T}\right) - 0.0033974167 \sin\left(2\pi(125)\frac{t}{T}\right) + 0.0057200246 \cos\left(2\pi(126)\frac{t}{T}\right) - \\
& 0.0037681665 \sin\left(2\pi(126)\frac{t}{T}\right) - 0.0010555531 \cos\left(2\pi(127)\frac{t}{T}\right) - 0.0014961011 \sin\left(2\pi(127)\frac{t}{T}\right) - \\
& 0.0026460539 \cos\left(2\pi(128)\frac{t}{T}\right) - 0.0049085071 \sin\left(2\pi(128)\frac{t}{T}\right) + 0.0019849810 \cos\left(2\pi(129)\frac{t}{T}\right) + \\
& 0.0013800700 \sin\left(2\pi(129)\frac{t}{T}\right) - 0.0021577581 \cos\left(2\pi(130)\frac{t}{T}\right) + 0.0014538216 \sin\left(2\pi(130)\frac{t}{T}\right) + \\
& 0.0038243949 \cos\left(2\pi(131)\frac{t}{T}\right) - 0.0008133059 \sin\left(2\pi(131)\frac{t}{T}\right) + 0.0013005497 \cos\left(2\pi(132)\frac{t}{T}\right) + \\
& 0.0006495720 \sin\left(2\pi(132)\frac{t}{T}\right) + 0.0032835657 \cos\left(2\pi(133)\frac{t}{T}\right) - 0.0006566417 \sin\left(2\pi(133)\frac{t}{T}\right) + \\
& 0.0015215633 \cos\left(2\pi(134)\frac{t}{T}\right) + 0.0025615572 \sin\left(2\pi(134)\frac{t}{T}\right) + 0.0043942660 \cos\left(2\pi(135)\frac{t}{T}\right) - \\
& 0.0030132422 \sin\left(2\pi(135)\frac{t}{T}\right) + 0.0068813667 \cos\left(2\pi(136)\frac{t}{T}\right) - 0.0007446262 \sin\left(2\pi(136)\frac{t}{T}\right) + \\
& 0.0003243060 \cos\left(2\pi(137)\frac{t}{T}\right) - 0.0039928852 \sin\left(2\pi(137)\frac{t}{T}\right) + 0.0019663847 \cos\left(2\pi(138)\frac{t}{T}\right) - \\
& 0.0074191362 \sin\left(2\pi(138)\frac{t}{T}\right) + 0.0003037532 \cos\left(2\pi(139)\frac{t}{T}\right) + 0.0014214480 \sin\left(2\pi(139)\frac{t}{T}\right) - \\
& 0.0028765622 \cos\left(2\pi(140)\frac{t}{T}\right) - 0.0005187368 \sin\left(2\pi(140)\frac{t}{T}\right) + 0.0042690312 \cos\left(2\pi(141)\frac{t}{T}\right) + \\
& 0.0005401541 \sin\left(2\pi(141)\frac{t}{T}\right) + 0.0014577636 \cos\left(2\pi(142)\frac{t}{T}\right) + 0.0012365653 \sin\left(2\pi(142)\frac{t}{T}\right) + \\
& 0.0036142795 \cos\left(2\pi(143)\frac{t}{T}\right) - 0.0007585484 \sin\left(2\pi(143)\frac{t}{T}\right) + 0.0009975995 \cos\left(2\pi(144)\frac{t}{T}\right) + \\
& 0.0004374326 \sin\left(2\pi(144)\frac{t}{T}\right) + 0.0053893745 \cos\left(2\pi(145)\frac{t}{T}\right) - 0.0008937635 \sin\left(2\pi(145)\frac{t}{T}\right) + \\
& 0.0063662456 \cos\left(2\pi(146)\frac{t}{T}\right) + 0.0025753299 \sin\left(2\pi(146)\frac{t}{T}\right) + 0.0028850064 \cos\left(2\pi(147)\frac{t}{T}\right) - \\
& 0.0046601856 \sin\left(2\pi(147)\frac{t}{T}\right) + 0.0071629831 \cos\left(2\pi(148)\frac{t}{T}\right) - 0.0054369646 \sin\left(2\pi(148)\frac{t}{T}\right) - \\
& 0.0009730471 \cos\left(2\pi(149)\frac{t}{T}\right) - 0.0006338761 \sin\left(2\pi(149)\frac{t}{T}\right) - 0.0019549038 \cos\left(2\pi(150)\frac{t}{T}\right) - \\
& 0.0046597625 \sin\left(2\pi(150)\frac{t}{T}\right) + 0.0038494943 \cos\left(2\pi(151)\frac{t}{T}\right) + 0.0020544433 \sin\left(2\pi(151)\frac{t}{T}\right) + \\
& 0.0007852109 \cos\left(2\pi(152)\frac{t}{T}\right) + 0.0015148588 \sin\left(2\pi(152)\frac{t}{T}\right) + 0.0044538306 \cos\left(2\pi(153)\frac{t}{T}\right) - \\
& 0.0008834203 \sin\left(2\pi(153)\frac{t}{T}\right) + 0.0027379684 \cos\left(2\pi(154)\frac{t}{T}\right) + 0.0006870671 \sin\left(2\pi(154)\frac{t}{T}\right) + \\
& 0.0047607539 \cos\left(2\pi(155)\frac{t}{T}\right) - 0.0007387767 \sin\left(2\pi(155)\frac{t}{T}\right) + 0.0044526202 \cos\left(2\pi(156)\frac{t}{T}\right) + \\
& 0.0035162948 \sin\left(2\pi(156)\frac{t}{T}\right) + 0.0055468128 \cos\left(2\pi(157)\frac{t}{T}\right) - 0.0046733037 \sin\left(2\pi(157)\frac{t}{T}\right) + \\
& 0.0100780179 \cos\left(2\pi(158)\frac{t}{T}\right) - 0.0024683484 \sin\left(2\pi(158)\frac{t}{T}\right) - 0.0006562169 \cos\left(2\pi(159)\frac{t}{T}\right) - \\
& 0.0033902997 \sin\left(2\pi(159)\frac{t}{T}\right) + 0.0021749999 \cos\left(2\pi(160)\frac{t}{T}\right) - 0.0069498038 \sin\left(2\pi(160)\frac{t}{T}\right) + \\
& 0.0013545545 \cos\left(2\pi(161)\frac{t}{T}\right) + 0.0027109433 \sin\left(2\pi(161)\frac{t}{T}\right) - 0.0008511037 \cos\left(2\pi(162)\frac{t}{T}\right) + \\
& 0.0013367229 \sin\left(2\pi(162)\frac{t}{T}\right) + 0.0056310621 \cos\left(2\pi(163)\frac{t}{T}\right) - 0.0003785012 \sin\left(2\pi(163)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.0037277275 \cos\left(2\pi(164)\frac{t}{T}\right) + 0.0016652914 \sin\left(2\pi(164)\frac{t}{T}\right) + 0.0049152895 \cos\left(2\pi(165)\frac{t}{T}\right) - \\
& 0.0012304113 \sin\left(2\pi(165)\frac{t}{T}\right) + 0.0048040200 \cos\left(2\pi(166)\frac{t}{T}\right) + 0.0026539047 \sin\left(2\pi(166)\frac{t}{T}\right) + \\
& 0.0062260040 \cos\left(2\pi(167)\frac{t}{T}\right) - 0.0030868019 \sin\left(2\pi(167)\frac{t}{T}\right) + 0.0105587948 \cos\left(2\pi(168)\frac{t}{T}\right) + \\
& 0.0014272739 \sin\left(2\pi(168)\frac{t}{T}\right) + 0.0011083986 \cos\left(2\pi(169)\frac{t}{T}\right) - 0.0060614130 \sin\left(2\pi(169)\frac{t}{T}\right) + \\
& 0.0060037311 \cos\left(2\pi(170)\frac{t}{T}\right) - 0.0064802834 \sin\left(2\pi(170)\frac{t}{T}\right) + 0.0002194632 \cos\left(2\pi(171)\frac{t}{T}\right) + \\
& 0.0003354702 \sin\left(2\pi(171)\frac{t}{T}\right) - 0.0001059681 \cos\left(2\pi(172)\frac{t}{T}\right) - 0.0005469820 \sin\left(2\pi(172)\frac{t}{T}\right) + \\
& 0.0063678753 \cos\left(2\pi(173)\frac{t}{T}\right) + 0.0003356688 \sin\left(2\pi(173)\frac{t}{T}\right) + 0.0059572404 \cos\left(2\pi(174)\frac{t}{T}\right) + \\
& 0.0039064559 \sin\left(2\pi(174)\frac{t}{T}\right) + 0.0052701785 \cos\left(2\pi(175)\frac{t}{T}\right) - 0.0031497572 \sin\left(2\pi(175)\frac{t}{T}\right) + \\
& 0.0064188728 \cos\left(2\pi(176)\frac{t}{T}\right) + 0.0025090826 \sin\left(2\pi(176)\frac{t}{T}\right) + 0.0066557325 \cos\left(2\pi(177)\frac{t}{T}\right) - \\
& 0.0042807098 \sin\left(2\pi(177)\frac{t}{T}\right) + 0.0101322736 \cos\left(2\pi(178)\frac{t}{T}\right) + 0.0029798284 \sin\left(2\pi(178)\frac{t}{T}\right) + \\
& 0.0043865231 \cos\left(2\pi(179)\frac{t}{T}\right) - 0.0083207157 \sin\left(2\pi(179)\frac{t}{T}\right) + 0.0116421887 \cos\left(2\pi(180)\frac{t}{T}\right) - \\
& 0.0039752663 \sin\left(2\pi(180)\frac{t}{T}\right) - 0.0008454081 \cos\left(2\pi(181)\frac{t}{T}\right) - 0.0032980580 \sin\left(2\pi(181)\frac{t}{T}\right) + \\
& 0.0031582177 \cos\left(2\pi(182)\frac{t}{T}\right) - 0.0013932401 \sin\left(2\pi(182)\frac{t}{T}\right) + 0.0056189792 \cos\left(2\pi(183)\frac{t}{T}\right) - \\
& 0.0010838340 \sin\left(2\pi(183)\frac{t}{T}\right) + 0.0062252473 \cos\left(2\pi(184)\frac{t}{T}\right) + 0.0052709301 \sin\left(2\pi(184)\frac{t}{T}\right) + \\
& 0.0084708350 \cos\left(2\pi(185)\frac{t}{T}\right) - 0.0067008486 \sin\left(2\pi(185)\frac{t}{T}\right) + 0.0111876436 \cos\left(2\pi(186)\frac{t}{T}\right) + \\
& 0.0036272710 \sin\left(2\pi(186)\frac{t}{T}\right) + 0.0079576732 \cos\left(2\pi(187)\frac{t}{T}\right) - 0.0077958980 \sin\left(2\pi(187)\frac{t}{T}\right) + \\
& 0.0146596497 \cos\left(2\pi(188)\frac{t}{T}\right) + 0.0061917048 \sin\left(2\pi(188)\frac{t}{T}\right) + 0.0072273997 \cos\left(2\pi(189)\frac{t}{T}\right) - \\
& 0.0137936210 \sin\left(2\pi(189)\frac{t}{T}\right) + 0.0187690254 \cos\left(2\pi(190)\frac{t}{T}\right) + 0.0014842592 \sin\left(2\pi(190)\frac{t}{T}\right) + \\
& 0.0033126646 \cos\left(2\pi(191)\frac{t}{T}\right) - 0.0146733853 \sin\left(2\pi(191)\frac{t}{T}\right) + 0.0153853243 \cos\left(2\pi(192)\frac{t}{T}\right) + \\
& 0.0002295462 \sin\left(2\pi(192)\frac{t}{T}\right) + 0.0103664227 \cos\left(2\pi(193)\frac{t}{T}\right) - 0.0142662170 \sin\left(2\pi(193)\frac{t}{T}\right) + \\
& 0.0271852367 \cos\left(2\pi(194)\frac{t}{T}\right) + 0.0094265389 \sin\left(2\pi(194)\frac{t}{T}\right) + 0.0099685675 \cos\left(2\pi(195)\frac{t}{T}\right) - \\
& 0.0322210820 \sin\left(2\pi(195)\frac{t}{T}\right) + 0.0468205391 \cos\left(2\pi(196)\frac{t}{T}\right) - 0.0006930112 \sin\left(2\pi(196)\frac{t}{T}\right) - \\
& 0.0087041903 \cos\left(2\pi(197)\frac{t}{T}\right) - 0.0490824015 \sin\left(2\pi(197)\frac{t}{T}\right) + 0.0554066158 \cos\left(2\pi(198)\frac{t}{T}\right) - \\
& 0.0286709785 \sin\left(2\pi(198)\frac{t}{T}\right) - 0.0377310892 \cos\left(2\pi(199)\frac{t}{T}\right) - 0.0519499892 \sin\left(2\pi(199)\frac{t}{T}\right) + \\
& 0.0486649964 \cos\left(2\pi(200)\frac{t}{T}\right) - 0.0680703350 \sin\left(2\pi(200)\frac{t}{T}\right) - 0.0770336841 \cos\left(2\pi(201)\frac{t}{T}\right) - \\
& 0.0247169255 \sin\left(2\pi(201)\frac{t}{T}\right) + 0.0011725106 \cos\left(2\pi(202)\frac{t}{T}\right) - 0.0925830250 \sin\left(2\pi(202)\frac{t}{T}\right) - \\
& 0.0828029548 \cos\left(2\pi(203)\frac{t}{T}\right) + 0.0289243857 \sin\left(2\pi(203)\frac{t}{T}\right) - 0.0553853965 \cos\left(2\pi(204)\frac{t}{T}\right) - \\
& 0.0706205404 \sin\left(2\pi(204)\frac{t}{T}\right) - 0.0417180643 \cos\left(2\pi(205)\frac{t}{T}\right) + 0.0643605625 \sin\left(2\pi(205)\frac{t}{T}\right) - \\
& 0.0734524336 \cos\left(2\pi(206)\frac{t}{T}\right) - 0.0272195107 \sin\left(2\pi(206)\frac{t}{T}\right) + 0.0082402702 \cos\left(2\pi(207)\frac{t}{T}\right) + \\
& 0.0726319107 \sin\left(2\pi(207)\frac{t}{T}\right) - 0.0538101345 \cos\left(2\pi(208)\frac{t}{T}\right) + 0.0232925115 \sin\left(2\pi(208)\frac{t}{T}\right) + \\
& 0.0408220586 \cos\left(2\pi(209)\frac{t}{T}\right) + 0.0394838068 \sin\left(2\pi(209)\frac{t}{T}\right) - 0.0101798595 \cos\left(2\pi(210)\frac{t}{T}\right) + \\
& 0.0456068497 \sin\left(2\pi(210)\frac{t}{T}\right) + 0.0305277823 \cos\left(2\pi(211)\frac{t}{T}\right) - 0.0177148729 \sin\left(2\pi(211)\frac{t}{T}\right) + \\
& 0.0121162072 \cos\left(2\pi(212)\frac{t}{T}\right) + 0.0088230172 \sin\left(2\pi(212)\frac{t}{T}\right) + 0.0068915757 \cos\left(2\pi(213)\frac{t}{T}\right) - \\
& 0.0264522189 \sin\left(2\pi(213)\frac{t}{T}\right) + 0.0128389344 \cos\left(2\pi(214)\frac{t}{T}\right) - 0.0280027965 \sin\left(2\pi(214)\frac{t}{T}\right) - \\
& 0.0133901276 \cos\left(2\pi(215)\frac{t}{T}\right) + 0.0082107645 \sin\left(2\pi(215)\frac{t}{T}\right) + 0.0013462893 \cos\left(2\pi(216)\frac{t}{T}\right) - \\
& 0.0227812806 \sin\left(2\pi(216)\frac{t}{T}\right) - 0.0320741675 \cos\left(2\pi(217)\frac{t}{T}\right) + 0.0395957404 \sin\left(2\pi(217)\frac{t}{T}\right) - \\
& 0.0389653314 \cos\left(2\pi(218)\frac{t}{T}\right) + 0.0305038519 \sin\left(2\pi(218)\frac{t}{T}\right) + 0.0042532435 \cos\left(2\pi(219)\frac{t}{T}\right) - \\
& 0.0105885103 \sin\left(2\pi(219)\frac{t}{T}\right) - 0.0360862706 \cos\left(2\pi(220)\frac{t}{T}\right) + 0.0371207229 \sin\left(2\pi(220)\frac{t}{T}\right) + \\
& 0.0233161753 \cos\left(2\pi(221)\frac{t}{T}\right) - 0.1029839466 \sin\left(2\pi(221)\frac{t}{T}\right) - 0.0289233595 \cos\left(2\pi(222)\frac{t}{T}\right) - \\
& 0.0861060340 \sin\left(2\pi(222)\frac{t}{T}\right) + 0.0257880704 \cos\left(2\pi(223)\frac{t}{T}\right) - 0.0140501087 \sin\left(2\pi(223)\frac{t}{T}\right) - \\
& 0.0609205113 \cos\left(2\pi(224)\frac{t}{T}\right) - 0.1104635789 \sin\left(2\pi(224)\frac{t}{T}\right) + 0.1309436120 \cos\left(2\pi(225)\frac{t}{T}\right) + \\
& 0.1120691252 \sin\left(2\pi(225)\frac{t}{T}\right) + 0.0400048446 \cos\left(2\pi(226)\frac{t}{T}\right) + 0.0089571422 \sin\left(2\pi(226)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.1133458934 \cos\left(2\pi(227)\frac{t}{T}\right) + 0.0312326933 \sin\left(2\pi(227)\frac{t}{T}\right) + 0.1445166673 \cos\left(2\pi(228)\frac{t}{T}\right) - \\
& 0.0124217790 \sin\left(2\pi(228)\frac{t}{T}\right) - 0.0728246887 \cos\left(2\pi(229)\frac{t}{T}\right) + 0.0214078533 \sin\left(2\pi(229)\frac{t}{T}\right) + \\
& 0.0365225841 \cos\left(2\pi(230)\frac{t}{T}\right) - 0.0536260390 \sin\left(2\pi(230)\frac{t}{T}\right) - 0.0621535099 \cos\left(2\pi(231)\frac{t}{T}\right) + \\
& 0.1197942791 \sin\left(2\pi(231)\frac{t}{T}\right) - 0.0205141989 \cos\left(2\pi(232)\frac{t}{T}\right) + 0.0419450143 \sin\left(2\pi(232)\frac{t}{T}\right) + \\
& 0.0247211019 \cos\left(2\pi(233)\frac{t}{T}\right) + 0.0534518436 \sin\left(2\pi(233)\frac{t}{T}\right) + 0.0426667600 \cos\left(2\pi(234)\frac{t}{T}\right) + \\
& 0.0505775737 \sin\left(2\pi(234)\frac{t}{T}\right) - 0.0364360382 \cos\left(2\pi(235)\frac{t}{T}\right) - 0.0021631150 \sin\left(2\pi(235)\frac{t}{T}\right) + \\
& 0.0138407151 \cos\left(2\pi(236)\frac{t}{T}\right) + 0.0083439860 \sin\left(2\pi(236)\frac{t}{T}\right) - 0.0354463311 \cos\left(2\pi(237)\frac{t}{T}\right) + \\
& 0.0336935219 \sin\left(2\pi(237)\frac{t}{T}\right) - 0.0058723600 \cos\left(2\pi(238)\frac{t}{T}\right) + 0.0370977909 \sin\left(2\pi(238)\frac{t}{T}\right) - \\
& 0.0027014876 \cos\left(2\pi(239)\frac{t}{T}\right) - 0.0070096524 \sin\left(2\pi(239)\frac{t}{T}\right) + 0.0224283000 \cos\left(2\pi(240)\frac{t}{T}\right) + \\
& 0.0175308906 \sin\left(2\pi(240)\frac{t}{T}\right) - 0.0465574666 \cos\left(2\pi(241)\frac{t}{T}\right) - 0.0131939858 \sin\left(2\pi(241)\frac{t}{T}\right) - \\
& 0.0092867775 \cos\left(2\pi(242)\frac{t}{T}\right) - 0.0060601811 \sin\left(2\pi(242)\frac{t}{T}\right) - 0.0293070628 \cos\left(2\pi(243)\frac{t}{T}\right) + \\
& 0.0266022808 \sin\left(2\pi(243)\frac{t}{T}\right) - 0.0200737938 \cos\left(2\pi(244)\frac{t}{T}\right) + 0.0223613843 \sin\left(2\pi(244)\frac{t}{T}\right) + \\
& 0.0014641854 \cos\left(2\pi(245)\frac{t}{T}\right) - 0.0005301717 \sin\left(2\pi(245)\frac{t}{T}\right) - 0.0003832284 \cos\left(2\pi(246)\frac{t}{T}\right) + \\
& 0.0151018329 \sin\left(2\pi(246)\frac{t}{T}\right) - 0.0153636858 \cos\left(2\pi(247)\frac{t}{T}\right) - 0.0076633169 \sin\left(2\pi(247)\frac{t}{T}\right) - \\
& 0.0106321175 \cos\left(2\pi(248)\frac{t}{T}\right) + 0.0061038551 \sin\left(2\pi(248)\frac{t}{T}\right) - 0.0019947006 \cos\left(2\pi(249)\frac{t}{T}\right) + \\
& 0.0026618988 \sin\left(2\pi(249)\frac{t}{T}\right) - 0.0045359472 \cos\left(2\pi(250)\frac{t}{T}\right) + 0.0161377777 \sin\left(2\pi(250)\frac{t}{T}\right) - \\
& 0.0009359503 \cos\left(2\pi(251)\frac{t}{T}\right) - 0.0196496304 \sin\left(2\pi(251)\frac{t}{T}\right) + 0.0032121255 \cos\left(2\pi(252)\frac{t}{T}\right) - \\
& 0.0003266892 \sin\left(2\pi(252)\frac{t}{T}\right) - 0.0201042488 \cos\left(2\pi(253)\frac{t}{T}\right) - 0.0099404631 \sin\left(2\pi(253)\frac{t}{T}\right) - \\
& 0.0124399786 \cos\left(2\pi(254)\frac{t}{T}\right) - 0.0061967899 \sin\left(2\pi(254)\frac{t}{T}\right) - 0.0049640239 \cos\left(2\pi(255)\frac{t}{T}\right) + \\
& 0.0078131962 \sin\left(2\pi(255)\frac{t}{T}\right) - 0.0119665493 \cos\left(2\pi(256)\frac{t}{T}\right) + 0.0051307934 \sin\left(2\pi(256)\frac{t}{T}\right) + \\
& 0.0040909091 \cos\left(2\pi(257)\frac{t}{T}\right) - 0.0028422741 \sin\left(2\pi(257)\frac{t}{T}\right) - 0.0064212832 \cos\left(2\pi(258)\frac{t}{T}\right) + \\
& 0.0017453166 \sin\left(2\pi(258)\frac{t}{T}\right) + 0.0009327572 \cos\left(2\pi(259)\frac{t}{T}\right) - 0.0010343012 \sin\left(2\pi(259)\frac{t}{T}\right) - \\
& 0.0092468588 \cos\left(2\pi(260)\frac{t}{T}\right) + 0.0025533019 \sin\left(2\pi(260)\frac{t}{T}\right) + 0.0124409830 \cos\left(2\pi(261)\frac{t}{T}\right) - \\
& 0.0018439282 \sin\left(2\pi(261)\frac{t}{T}\right) + 0.0001161701 \cos\left(2\pi(262)\frac{t}{T}\right) + 0.0053772592 \sin\left(2\pi(262)\frac{t}{T}\right) + \\
& 0.0056756061 \cos\left(2\pi(263)\frac{t}{T}\right) - 0.0160492047 \sin\left(2\pi(263)\frac{t}{T}\right) + 0.0035610026 \cos\left(2\pi(264)\frac{t}{T}\right) - \\
& 0.0067999478 \sin\left(2\pi(264)\frac{t}{T}\right) - 0.0095874619 \cos\left(2\pi(265)\frac{t}{T}\right) - 0.0049083654 \sin\left(2\pi(265)\frac{t}{T}\right) - \\
& 0.0080958776 \cos\left(2\pi(266)\frac{t}{T}\right) - 0.0092466738 \sin\left(2\pi(266)\frac{t}{T}\right) + 0.0024309597 \cos\left(2\pi(267)\frac{t}{T}\right) + \\
& 0.0092295032 \sin\left(2\pi(267)\frac{t}{T}\right) - 0.0077090476 \cos\left(2\pi(268)\frac{t}{T}\right) - 0.0010917882 \sin\left(2\pi(268)\frac{t}{T}\right) + \\
& 0.0094056303 \cos\left(2\pi(269)\frac{t}{T}\right) + 0.0033984727 \sin\left(2\pi(269)\frac{t}{T}\right) - 0.0041005459 \cos\left(2\pi(270)\frac{t}{T}\right) - \\
& 0.0021219152 \sin\left(2\pi(270)\frac{t}{T}\right) + 0.0094789777 \cos\left(2\pi(271)\frac{t}{T}\right) + 0.0063662620 \sin\left(2\pi(271)\frac{t}{T}\right) - \\
& 0.0043543092 \cos\left(2\pi(272)\frac{t}{T}\right) + 0.0018745310 \sin\left(2\pi(272)\frac{t}{T}\right) + 0.0200485793 \cos\left(2\pi(273)\frac{t}{T}\right) - \\
& 0.0016504340 \sin\left(2\pi(273)\frac{t}{T}\right) + 0.0067611612 \cos\left(2\pi(274)\frac{t}{T}\right) + 0.0012621597 \sin\left(2\pi(274)\frac{t}{T}\right) + \\
& 0.0039896827 \cos\left(2\pi(275)\frac{t}{T}\right) - 0.0141123160 \sin\left(2\pi(275)\frac{t}{T}\right) + 0.0048838992 \cos\left(2\pi(276)\frac{t}{T}\right) - \\
& 0.0118284513 \sin\left(2\pi(276)\frac{t}{T}\right) - 0.0082148283 \cos\left(2\pi(277)\frac{t}{T}\right) + 0.0076586207 \sin\left(2\pi(277)\frac{t}{T}\right) - \\
& 0.0064999618 \cos\left(2\pi(278)\frac{t}{T}\right) - 0.0071815611 \sin\left(2\pi(278)\frac{t}{T}\right) + 0.0096123451 \cos\left(2\pi(279)\frac{t}{T}\right) + \\
& 0.0144544702 \sin\left(2\pi(279)\frac{t}{T}\right) - 0.0015314509 \cos\left(2\pi(280)\frac{t}{T}\right) - 0.0011381988 \sin\left(2\pi(280)\frac{t}{T}\right) + \\
& 0.0088059156 \cos\left(2\pi(281)\frac{t}{T}\right) + 0.0074896097 \sin\left(2\pi(281)\frac{t}{T}\right) - 0.0021536367 \cos\left(2\pi(282)\frac{t}{T}\right) - \\
& 0.0030304789 \sin\left(2\pi(282)\frac{t}{T}\right) + 0.0151403148 \cos\left(2\pi(283)\frac{t}{T}\right) + 0.0144177730 \sin\left(2\pi(283)\frac{t}{T}\right) + \\
& 0.0012894423 \cos\left(2\pi(284)\frac{t}{T}\right) + 0.0052249608 \sin\left(2\pi(284)\frac{t}{T}\right) + 0.0204488369 \cos\left(2\pi(285)\frac{t}{T}\right) - \\
& 0.0052073208 \sin\left(2\pi(285)\frac{t}{T}\right) + 0.0124705517 \cos\left(2\pi(286)\frac{t}{T}\right) - 0.0028770553 \sin\left(2\pi(286)\frac{t}{T}\right) - \\
& 0.0071935546 \cos\left(2\pi(287)\frac{t}{T}\right) - 0.0053862225 \sin\left(2\pi(287)\frac{t}{T}\right) + 0.0017682851 \cos\left(2\pi(288)\frac{t}{T}\right) - \\
& 0.0122685654 \sin\left(2\pi(288)\frac{t}{T}\right) - 0.0023759472 \cos\left(2\pi(289)\frac{t}{T}\right) + 0.0206217414 \sin\left(2\pi(289)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0021796649 \cos\left(2\pi(290)\frac{t}{T}\right) - 0.0019265857 \sin\left(2\pi(290)\frac{t}{T}\right) + 0.0094507544 \cos\left(2\pi(291)\frac{t}{T}\right) + \\
& 0.0134023062 \sin\left(2\pi(291)\frac{t}{T}\right) + 0.0023201798 \cos\left(2\pi(292)\frac{t}{T}\right) - 0.0025200731 \sin\left(2\pi(292)\frac{t}{T}\right) + \\
& 0.0042226931 \cos\left(2\pi(293)\frac{t}{T}\right) + 0.0183685939 \sin\left(2\pi(293)\frac{t}{T}\right) - 0.0021779404 \cos\left(2\pi(294)\frac{t}{T}\right) + \\
& 0.0017960529 \sin\left(2\pi(294)\frac{t}{T}\right) + 0.0232796031 \cos\left(2\pi(295)\frac{t}{T}\right) + 0.0145079688 \sin\left(2\pi(295)\frac{t}{T}\right) + \\
& 0.0097327161 \cos\left(2\pi(296)\frac{t}{T}\right) + 0.0065925654 \sin\left(2\pi(296)\frac{t}{T}\right) + 0.0071718286 \cos\left(2\pi(297)\frac{t}{T}\right) - \\
& 0.0101834812 \sin\left(2\pi(297)\frac{t}{T}\right) + 0.0115430121 \cos\left(2\pi(298)\frac{t}{T}\right) - 0.0081141191 \sin\left(2\pi(298)\frac{t}{T}\right) - \\
& 0.0147991743 \cos\left(2\pi(299)\frac{t}{T}\right) + 0.0125381968 \sin\left(2\pi(299)\frac{t}{T}\right) - 0.0011033366 \cos\left(2\pi(300)\frac{t}{T}\right) - \\
& 0.0055697766 \sin\left(2\pi(300)\frac{t}{T}\right) + 0.0044363973 \cos\left(2\pi(301)\frac{t}{T}\right) + 0.0219052486 \sin\left(2\pi(301)\frac{t}{T}\right) + \\
& 0.0030864419 \cos\left(2\pi(302)\frac{t}{T}\right) + 0.0003925344 \sin\left(2\pi(302)\frac{t}{T}\right) - 0.0005877122 \cos\left(2\pi(303)\frac{t}{T}\right) + \\
& 0.0149638986 \sin\left(2\pi(303)\frac{t}{T}\right) + 0.0001857254 \cos\left(2\pi(304)\frac{t}{T}\right) - 0.0016256056 \sin\left(2\pi(304)\frac{t}{T}\right) + \\
& 0.0091154459 \cos\left(2\pi(305)\frac{t}{T}\right) + 0.0273627400 \sin\left(2\pi(305)\frac{t}{T}\right) + 0.0023645901 \cos\left(2\pi(306)\frac{t}{T}\right) + \\
& 0.0084521798 \sin\left(2\pi(306)\frac{t}{T}\right) + 0.0198373896 \cos\left(2\pi(307)\frac{t}{T}\right) + 0.0003622286 \sin\left(2\pi(307)\frac{t}{T}\right) + \\
& 0.0140303735 \cos\left(2\pi(308)\frac{t}{T}\right) + 0.0014141404 \sin\left(2\pi(308)\frac{t}{T}\right) - 0.0141625332 \cos\left(2\pi(309)\frac{t}{T}\right) - \\
& 0.0027475440 \sin\left(2\pi(309)\frac{t}{T}\right) + 0.0040810285 \cos\left(2\pi(310)\frac{t}{T}\right) - 0.0067804511 \sin\left(2\pi(310)\frac{t}{T}\right) - \\
& 0.0089311285 \cos\left(2\pi(311)\frac{t}{T}\right) + 0.0243107725 \sin\left(2\pi(311)\frac{t}{T}\right) + 0.0014892729 \cos\left(2\pi(312)\frac{t}{T}\right) + \\
& 0.0020414852 \sin\left(2\pi(312)\frac{t}{T}\right) - 0.0003111986 \cos\left(2\pi(313)\frac{t}{T}\right) + 0.0135063727 \sin\left(2\pi(313)\frac{t}{T}\right) + \\
& 0.0036254386 \cos\left(2\pi(314)\frac{t}{T}\right) - 0.0008479928 \sin\left(2\pi(314)\frac{t}{T}\right) - 0.0074075993 \cos\left(2\pi(315)\frac{t}{T}\right) + \\
& 0.0246545726 \sin\left(2\pi(315)\frac{t}{T}\right) - 0.0025781154 \cos\left(2\pi(316)\frac{t}{T}\right) + 0.0046367743 \sin\left(2\pi(316)\frac{t}{T}\right) + \\
& 0.0180660910 \cos\left(2\pi(317)\frac{t}{T}\right) + 0.0200533988 \sin\left(2\pi(317)\frac{t}{T}\right) + 0.0086940610 \cos\left(2\pi(318)\frac{t}{T}\right) + \\
& 0.0096698785 \sin\left(2\pi(318)\frac{t}{T}\right) + 0.0000008356 \cos\left(2\pi(319)\frac{t}{T}\right) - 0.0092624738 \sin\left(2\pi(319)\frac{t}{T}\right) + \\
& 0.0096470548 \cos\left(2\pi(320)\frac{t}{T}\right) - 0.0028917730 \sin\left(2\pi(320)\frac{t}{T}\right) - 0.0205089003 \cos\left(2\pi(321)\frac{t}{T}\right) + \\
& 0.0134649310 \sin\left(2\pi(321)\frac{t}{T}\right) + 0.0003089516 \cos\left(2\pi(322)\frac{t}{T}\right) + 0.0000577013 \sin\left(2\pi(322)\frac{t}{T}\right) - \\
& 0.0026612751 \cos\left(2\pi(323)\frac{t}{T}\right) + 0.0168221509 \sin\left(2\pi(323)\frac{t}{T}\right) + 0.0044108866 \cos\left(2\pi(324)\frac{t}{T}\right) + \\
& 0.0022671424 \sin\left(2\pi(324)\frac{t}{T}\right) - 0.0146639767 \cos\left(2\pi(325)\frac{t}{T}\right) + 0.0135427311 \sin\left(2\pi(325)\frac{t}{T}\right) - \\
& 0.0011508314 \cos\left(2\pi(326)\frac{t}{T}\right) + 0.0001454882 \sin\left(2\pi(326)\frac{t}{T}\right) + 0.0002373839 \cos\left(2\pi(327)\frac{t}{T}\right) + \\
& 0.0304531416 \sin\left(2\pi(327)\frac{t}{T}\right) + 0.0003946578 \cos\left(2\pi(328)\frac{t}{T}\right) + 0.0101462347 \sin\left(2\pi(328)\frac{t}{T}\right) + \\
& 0.0129904324 \cos\left(2\pi(329)\frac{t}{T}\right) + 0.0000511738 \sin\left(2\pi(329)\frac{t}{T}\right) + 0.0097417651 \cos\left(2\pi(330)\frac{t}{T}\right) + \\
& 0.0043303248 \sin\left(2\pi(330)\frac{t}{T}\right) - 0.0194102642 \cos\left(2\pi(331)\frac{t}{T}\right) - 0.0022904670 \sin\left(2\pi(331)\frac{t}{T}\right) + \\
& 0.0021007175 \cos\left(2\pi(332)\frac{t}{T}\right) - 0.0010625741 \sin\left(2\pi(332)\frac{t}{T}\right) - 0.0113933065 \cos\left(2\pi(333)\frac{t}{T}\right) + \\
& 0.0179821025 \sin\left(2\pi(333)\frac{t}{T}\right) + 0.0018629625 \cos\left(2\pi(334)\frac{t}{T}\right) + 0.0045961527 \sin\left(2\pi(334)\frac{t}{T}\right) - \\
& 0.0108420749 \cos\left(2\pi(335)\frac{t}{T}\right) + 0.0049071062 \sin\left(2\pi(335)\frac{t}{T}\right) + 0.0021440546 \cos\left(2\pi(336)\frac{t}{T}\right) + \\
& 0.0004925192 \sin\left(2\pi(336)\frac{t}{T}\right) - 0.0178673318 \cos\left(2\pi(337)\frac{t}{T}\right) + 0.0224627171 \sin\left(2\pi(337)\frac{t}{T}\right) - \\
& 0.0034029982 \cos\left(2\pi(338)\frac{t}{T}\right) + 0.0052645894 \sin\left(2\pi(338)\frac{t}{T}\right) + 0.0101082145 \cos\left(2\pi(339)\frac{t}{T}\right) + \\
& 0.0164162922 \sin\left(2\pi(339)\frac{t}{T}\right) + 0.0046147529 \cos\left(2\pi(340)\frac{t}{T}\right) + 0.0084537727 \sin\left(2\pi(340)\frac{t}{T}\right) - \\
& 0.0072849475 \cos\left(2\pi(341)\frac{t}{T}\right) - 0.0099940538 \sin\left(2\pi(341)\frac{t}{T}\right) + 0.0041911861 \cos\left(2\pi(342)\frac{t}{T}\right) + \\
& 0.0004474804 \sin\left(2\pi(342)\frac{t}{T}\right) - 0.0197700337 \cos\left(2\pi(343)\frac{t}{T}\right) + 0.0099012768 \sin\left(2\pi(343)\frac{t}{T}\right) - \\
& 0.0002705603 \cos\left(2\pi(344)\frac{t}{T}\right) + 0.0035675973 \sin\left(2\pi(344)\frac{t}{T}\right) - 0.0059411372 \cos\left(2\pi(345)\frac{t}{T}\right) + \\
& 0.0044887337 \sin\left(2\pi(345)\frac{t}{T}\right) + 0.0031403883 \cos\left(2\pi(346)\frac{t}{T}\right) + 0.0027168579 \sin\left(2\pi(346)\frac{t}{T}\right) - \\
& 0.0229035692 \cos\left(2\pi(347)\frac{t}{T}\right) + 0.0046598042 \sin\left(2\pi(347)\frac{t}{T}\right) - 0.0025596531 \cos\left(2\pi(348)\frac{t}{T}\right) + \\
& 0.0009736474 \sin\left(2\pi(348)\frac{t}{T}\right) - 0.0061101628 \cos\left(2\pi(349)\frac{t}{T}\right) + 0.0223791935 \sin\left(2\pi(349)\frac{t}{T}\right) - \\
& 0.0014850425 \cos\left(2\pi(350)\frac{t}{T}\right) + 0.0078070921 \sin\left(2\pi(350)\frac{t}{T}\right) + 0.0045108399 \cos\left(2\pi(351)\frac{t}{T}\right) - \\
& 0.0043751426 \sin\left(2\pi(351)\frac{t}{T}\right) + 0.0039509854 \cos\left(2\pi(352)\frac{t}{T}\right) + 0.0036977350 \sin\left(2\pi(352)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0194922604 \cos\left(2\pi(353)\frac{t}{T}\right) - 0.0032537602 \sin\left(2\pi(353)\frac{t}{T}\right) - 0.0005879505 \cos\left(2\pi(354)\frac{t}{T}\right) + \\
& 0.0015622481 \sin\left(2\pi(354)\frac{t}{T}\right) - 0.0079449319 \cos\left(2\pi(355)\frac{t}{T}\right) + 0.0070473217 \sin\left(2\pi(355)\frac{t}{T}\right) + \\
& 0.0008640963 \cos\left(2\pi(356)\frac{t}{T}\right) + 0.0041867853 \sin\left(2\pi(356)\frac{t}{T}\right) - 0.0139038879 \cos\left(2\pi(357)\frac{t}{T}\right) - \\
& 0.0069872074 \sin\left(2\pi(357)\frac{t}{T}\right) + 0.0001928955 \cos\left(2\pi(358)\frac{t}{T}\right) + 0.0003046880 \sin\left(2\pi(358)\frac{t}{T}\right) - \\
& 0.0201824371 \cos\left(2\pi(359)\frac{t}{T}\right) + 0.0123544348 \sin\left(2\pi(359)\frac{t}{T}\right) - 0.0036278098 \cos\left(2\pi(360)\frac{t}{T}\right) + \\
& 0.0036036077 \sin\left(2\pi(360)\frac{t}{T}\right) + 0.0043470327 \cos\left(2\pi(361)\frac{t}{T}\right) + 0.0069379703 \sin\left(2\pi(361)\frac{t}{T}\right) + \\
& 0.0009444849 \cos\left(2\pi(362)\frac{t}{T}\right) + 0.0052387028 \sin\left(2\pi(362)\frac{t}{T}\right) - 0.0090924300 \cos\left(2\pi(363)\frac{t}{T}\right) - \\
& 0.0116279087 \sin\left(2\pi(363)\frac{t}{T}\right) + 0.0002837768 \cos\left(2\pi(364)\frac{t}{T}\right) + 0.0011846935 \sin\left(2\pi(364)\frac{t}{T}\right) - \\
& 0.0129704249 \cos\left(2\pi(365)\frac{t}{T}\right) + 0.0032293560 \sin\left(2\pi(365)\frac{t}{T}\right) - 0.0013072955 \cos\left(2\pi(366)\frac{t}{T}\right) + \\
& 0.0031564324 \sin\left(2\pi(366)\frac{t}{T}\right) - 0.0037291790 \cos\left(2\pi(367)\frac{t}{T}\right) - 0.0068354609 \sin\left(2\pi(367)\frac{t}{T}\right) + \\
& 0.0007473685 \cos\left(2\pi(368)\frac{t}{T}\right) + 0.0017829520 \sin\left(2\pi(368)\frac{t}{T}\right) - 0.0202471780 \cos\left(2\pi(369)\frac{t}{T}\right) - \\
& 0.0046123838 \sin\left(2\pi(369)\frac{t}{T}\right) - 0.0023241151 \cos\left(2\pi(370)\frac{t}{T}\right) + 0.0006416975 \sin\left(2\pi(370)\frac{t}{T}\right) - \\
& 0.0059591983 \cos\left(2\pi(371)\frac{t}{T}\right) + 0.0104946596 \sin\left(2\pi(371)\frac{t}{T}\right) - 0.0016267772 \cos\left(2\pi(372)\frac{t}{T}\right) + \\
& 0.0036248054 \sin\left(2\pi(372)\frac{t}{T}\right) + 0.0016997574 \cos\left(2\pi(373)\frac{t}{T}\right) - 0.0078464881 \sin\left(2\pi(373)\frac{t}{T}\right) + \\
& 0.0003821119 \cos\left(2\pi(374)\frac{t}{T}\right) + 0.0017045497 \sin\left(2\pi(374)\frac{t}{T}\right) - 0.0115668327 \cos\left(2\pi(375)\frac{t}{T}\right) - \\
& 0.0049499266 \sin\left(2\pi(375)\frac{t}{T}\right) - 0.0014265674 \cos\left(2\pi(376)\frac{t}{T}\right) + 0.0016078344 \sin\left(2\pi(376)\frac{t}{T}\right) - \\
& 0.0001875210 \cos\left(2\pi(377)\frac{t}{T}\right) - 0.0024389698 \sin\left(2\pi(377)\frac{t}{T}\right) + 0.0000233702 \cos\left(2\pi(378)\frac{t}{T}\right) + \\
& 0.0024722584 \sin\left(2\pi(378)\frac{t}{T}\right) - 0.0083640138 \cos\left(2\pi(379)\frac{t}{T}\right) - 0.0140756670 \sin\left(2\pi(379)\frac{t}{T}\right) - \\
& 0.0003910603 \cos\left(2\pi(380)\frac{t}{T}\right) + 0.0000872964 \sin\left(2\pi(380)\frac{t}{T}\right) - 0.0139656875 \cos\left(2\pi(381)\frac{t}{T}\right) + \\
& 0.0020710178 \sin\left(2\pi(381)\frac{t}{T}\right) - 0.0021204870 \cos\left(2\pi(382)\frac{t}{T}\right) + 0.0011027233 \sin\left(2\pi(382)\frac{t}{T}\right) + \\
& 0.0029762175 \cos\left(2\pi(383)\frac{t}{T}\right) + 0.0001170025 \sin\left(2\pi(383)\frac{t}{T}\right) - 0.0004983933 \cos\left(2\pi(384)\frac{t}{T}\right) + \\
& 0.0017472975 \sin\left(2\pi(384)\frac{t}{T}\right) - 0.0036584018 \cos\left(2\pi(385)\frac{t}{T}\right) - 0.0097102814 \sin\left(2\pi(385)\frac{t}{T}\right) - \\
& 0.0005687379 \cos\left(2\pi(386)\frac{t}{T}\right) + 0.0009167898 \sin\left(2\pi(386)\frac{t}{T}\right) - 0.0017364802 \cos\left(2\pi(387)\frac{t}{T}\right) - \\
& 0.0020217571 \sin\left(2\pi(387)\frac{t}{T}\right) - 0.0004279597 \cos\left(2\pi(388)\frac{t}{T}\right) + 0.0016376248 \sin\left(2\pi(388)\frac{t}{T}\right) + \\
& 0.0027888517 \cos\left(2\pi(389)\frac{t}{T}\right) - 0.0126055387 \sin\left(2\pi(389)\frac{t}{T}\right) + 0.0001881552 \cos\left(2\pi(390)\frac{t}{T}\right) + \\
& 0.0005401400 \sin\left(2\pi(390)\frac{t}{T}\right) - 0.0111846910 \cos\left(2\pi(391)\frac{t}{T}\right) - 0.0106031633 \sin\left(2\pi(391)\frac{t}{T}\right) - \\
& 0.0010439841 \cos\left(2\pi(392)\frac{t}{T}\right) + 0.0001398450 \sin\left(2\pi(392)\frac{t}{T}\right) - 0.0035564597 \cos\left(2\pi(393)\frac{t}{T}\right) + \\
& 0.0013866317 \sin\left(2\pi(393)\frac{t}{T}\right) - 0.0006050440 \cos\left(2\pi(394)\frac{t}{T}\right) + 0.0008872236 \sin\left(2\pi(394)\frac{t}{T}\right) + \\
& 0.0019184234 \cos\left(2\pi(395)\frac{t}{T}\right) - 0.0072119962 \sin\left(2\pi(395)\frac{t}{T}\right) - 0.0001551472 \cos\left(2\pi(396)\frac{t}{T}\right) + \\
& 0.0002401935 \sin\left(2\pi(396)\frac{t}{T}\right) - 0.0039796671 \cos\left(2\pi(397)\frac{t}{T}\right) - 0.0058700936 \sin\left(2\pi(397)\frac{t}{T}\right) - \\
& 0.0006356838 \cos\left(2\pi(398)\frac{t}{T}\right) + 0.0005481286 \sin\left(2\pi(398)\frac{t}{T}\right) + 0.0013368062 \cos\left(2\pi(399)\frac{t}{T}\right) - \\
& 0.0070688188 \sin\left(2\pi(399)\frac{t}{T}\right) - 0.0000915198 \cos\left(2\pi(400)\frac{t}{T}\right) + 0.0006580358 \sin\left(2\pi(400)\frac{t}{T}\right) - \\
& 0.0080803676 \cos\left(2\pi(401)\frac{t}{T}\right) - 0.0133837186 \sin\left(2\pi(401)\frac{t}{T}\right) - 0.0002970445 \cos\left(2\pi(402)\frac{t}{T}\right) - \\
& 0.0000656834 \sin\left(2\pi(402)\frac{t}{T}\right) - 0.0151044493 \cos\left(2\pi(403)\frac{t}{T}\right) + 0.0014298564 \sin\left(2\pi(403)\frac{t}{T}\right) - \\
& 0.0007890817 \cos\left(2\pi(404)\frac{t}{T}\right) + 0.0002750232 \sin\left(2\pi(404)\frac{t}{T}\right) - 0.0031631730 \cos\left(2\pi(405)\frac{t}{T}\right) + \\
& 0.0089171286 \sin\left(2\pi(405)\frac{t}{T}\right) - 0.0005336589 \cos\left(2\pi(406)\frac{t}{T}\right) + 0.0005043839 \sin\left(2\pi(406)\frac{t}{T}\right) + \\
& 0.0021800666 \cos\left(2\pi(407)\frac{t}{T}\right) + 0.0066123802 \sin\left(2\pi(407)\frac{t}{T}\right) - 0.0006320240 \cos\left(2\pi(408)\frac{t}{T}\right) + \\
& 0.0005341541 \sin\left(2\pi(408)\frac{t}{T}\right) + 0.0104801712 \cos\left(2\pi(409)\frac{t}{T}\right) + 0.0061972431 \sin\left(2\pi(409)\frac{t}{T}\right) - \\
& 0.0004467194 \cos\left(2\pi(410)\frac{t}{T}\right) + 0.0007184757 \sin\left(2\pi(410)\frac{t}{T}\right) + 0.0138397568 \cos\left(2\pi(411)\frac{t}{T}\right) - \\
& 0.0077109555 \sin\left(2\pi(411)\frac{t}{T}\right) - 0.0001807834 \cos\left(2\pi(412)\frac{t}{T}\right) + 0.0004310189 \sin\left(2\pi(412)\frac{t}{T}\right) - \\
& 0.0010806891 \cos\left(2\pi(413)\frac{t}{T}\right) - 0.0122409823 \sin\left(2\pi(413)\frac{t}{T}\right) - 0.0001783906 \cos\left(2\pi(414)\frac{t}{T}\right) + \\
& 0.0003997437 \sin\left(2\pi(414)\frac{t}{T}\right) - 0.0053556705 \cos\left(2\pi(415)\frac{t}{T}\right) - 0.0005485120 \sin\left(2\pi(415)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0000197967 \cos\left(2\pi(416)\frac{t}{T}\right) + 0.0004954166 \sin\left(2\pi(416)\frac{t}{T}\right) - 0.0009030599 \cos\left(2\pi(417)\frac{t}{T}\right) + \\
& 0.0032385894 \sin\left(2\pi(417)\frac{t}{T}\right) - 0.0000410957 \cos\left(2\pi(418)\frac{t}{T}\right) + 0.0005447005 \sin\left(2\pi(418)\frac{t}{T}\right) + \\
& 0.0017768291 \cos\left(2\pi(419)\frac{t}{T}\right) + 0.0066626261 \sin\left(2\pi(419)\frac{t}{T}\right) - 0.0000550791 \cos\left(2\pi(420)\frac{t}{T}\right) + \\
& 0.0006395621 \sin\left(2\pi(420)\frac{t}{T}\right) + 0.0115115249 \cos\left(2\pi(421)\frac{t}{T}\right) + 0.0048571488 \sin\left(2\pi(421)\frac{t}{T}\right) - \\
& 0.0002456692 \cos\left(2\pi(422)\frac{t}{T}\right) + 0.0003040343 \sin\left(2\pi(422)\frac{t}{T}\right) + 0.0092706718 \cos\left(2\pi(423)\frac{t}{T}\right) - \\
& 0.0069564149 \sin\left(2\pi(423)\frac{t}{T}\right) - 0.0006579255 \cos\left(2\pi(424)\frac{t}{T}\right) + 0.0004506039 \sin\left(2\pi(424)\frac{t}{T}\right) - \\
& 0.0028455741 \cos\left(2\pi(425)\frac{t}{T}\right) - 0.0040024082 \sin\left(2\pi(425)\frac{t}{T}\right) - 0.0002375721 \cos\left(2\pi(426)\frac{t}{T}\right) + \\
& 0.0008238431 \sin\left(2\pi(426)\frac{t}{T}\right) - 0.0010186059 \cos\left(2\pi(427)\frac{t}{T}\right) + 0.0037290953 \sin\left(2\pi(427)\frac{t}{T}\right) + \\
& 0.0000590832 \cos\left(2\pi(428)\frac{t}{T}\right) + 0.0006354800 \sin\left(2\pi(428)\frac{t}{T}\right) + 0.0015543849 \cos\left(2\pi(429)\frac{t}{T}\right) + \\
& 0.0037117707 \sin\left(2\pi(429)\frac{t}{T}\right) - 0.0000266023 \cos\left(2\pi(430)\frac{t}{T}\right) + 0.0005824254 \sin\left(2\pi(430)\frac{t}{T}\right) + \\
& 0.0046408232 \cos\left(2\pi(431)\frac{t}{T}\right) + 0.0083354672 \sin\left(2\pi(431)\frac{t}{T}\right) - 0.0001262626 \cos\left(2\pi(432)\frac{t}{T}\right) - \\
& 0.0000104657 \sin\left(2\pi(432)\frac{t}{T}\right) + 0.0109569524 \cos\left(2\pi(433)\frac{t}{T}\right) + 0.0022089187 \sin\left(2\pi(433)\frac{t}{T}\right) - \\
& 0.0009249234 \cos\left(2\pi(434)\frac{t}{T}\right) - 0.0001510431 \sin\left(2\pi(434)\frac{t}{T}\right) + 0.0013878783 \cos\left(2\pi(435)\frac{t}{T}\right) - \\
& 0.0065633933 \sin\left(2\pi(435)\frac{t}{T}\right) - 0.0006749371 \cos\left(2\pi(436)\frac{t}{T}\right) + 0.0010666105 \sin\left(2\pi(436)\frac{t}{T}\right) - \\
& 0.0021553795 \cos\left(2\pi(437)\frac{t}{T}\right) + 0.0035213710 \sin\left(2\pi(437)\frac{t}{T}\right) + 0.0000974669 \cos\left(2\pi(438)\frac{t}{T}\right) + \\
& 0.0010138536 \sin\left(2\pi(438)\frac{t}{T}\right) + 0.0063510824 \cos\left(2\pi(439)\frac{t}{T}\right) + 0.0079116924 \sin\left(2\pi(439)\frac{t}{T}\right) - \\
& 0.0007545451 \cos\left(2\pi(440)\frac{t}{T}\right) + 0.0006463925 \sin\left(2\pi(440)\frac{t}{T}\right) + 0.0017866539 \cos\left(2\pi(441)\frac{t}{T}\right) + \\
& 0.0077434899 \sin\left(2\pi(441)\frac{t}{T}\right) - 0.0006798518 \cos\left(2\pi(442)\frac{t}{T}\right) + 0.0003511748 \sin\left(2\pi(442)\frac{t}{T}\right) + \\
& 0.0003887955 \cos\left(2\pi(443)\frac{t}{T}\right) + 0.0072523053 \sin\left(2\pi(443)\frac{t}{T}\right) - 0.0003407485 \cos\left(2\pi(444)\frac{t}{T}\right) - \\
& 0.0005905401 \sin\left(2\pi(444)\frac{t}{T}\right) + 0.0013932912 \cos\left(2\pi(445)\frac{t}{T}\right) - 0.0048926456 \sin\left(2\pi(445)\frac{t}{T}\right) - \\
& 0.0003146225 \cos\left(2\pi(446)\frac{t}{T}\right) + 0.0006367972 \sin\left(2\pi(446)\frac{t}{T}\right) + 0.0017923037 \cos\left(2\pi(447)\frac{t}{T}\right) - \\
& 0.0026123237 \sin\left(2\pi(447)\frac{t}{T}\right) + 0.0003526412 \cos\left(2\pi(448)\frac{t}{T}\right) + 0.0015185720 \sin\left(2\pi(448)\frac{t}{T}\right) + \\
& 0.0127382127 \cos\left(2\pi(449)\frac{t}{T}\right) + 0.0027422358 \sin\left(2\pi(449)\frac{t}{T}\right) - 0.0015588108 \cos\left(2\pi(450)\frac{t}{T}\right) + \\
& 0.0015791642 \sin\left(2\pi(450)\frac{t}{T}\right) + 0.0035715710 \cos\left(2\pi(451)\frac{t}{T}\right) + 0.0036594125 \sin\left(2\pi(451)\frac{t}{T}\right) - \\
& 0.0015703439 \cos\left(2\pi(452)\frac{t}{T}\right) + 0.0029585504 \sin\left(2\pi(452)\frac{t}{T}\right) - 0.0009933924 \cos\left(2\pi(453)\frac{t}{T}\right) + \\
& 0.0234967675 \sin\left(2\pi(453)\frac{t}{T}\right) + 0.0001158430 \cos\left(2\pi(454)\frac{t}{T}\right) - 0.0001769593 \sin\left(2\pi(454)\frac{t}{T}\right) + \\
& 0.0171425964 \cos\left(2\pi(455)\frac{t}{T}\right) + 0.0153701882 \sin\left(2\pi(455)\frac{t}{T}\right) - 0.0035340925 \cos\left(2\pi(456)\frac{t}{T}\right) - \\
& 0.0019831943 \sin\left(2\pi(456)\frac{t}{T}\right) - 0.0007244156 \cos\left(2\pi(457)\frac{t}{T}\right) - 0.0051041168 \sin\left(2\pi(457)\frac{t}{T}\right) - \\
& 0.0033842224 \cos\left(2\pi(458)\frac{t}{T}\right) + 0.0017458441 \sin\left(2\pi(458)\frac{t}{T}\right) - 0.0147329829 \cos\left(2\pi(459)\frac{t}{T}\right) + \\
& 0.0133658738 \sin\left(2\pi(459)\frac{t}{T}\right) - 0.0000232948 \cos\left(2\pi(460)\frac{t}{T}\right) + 0.0001727995 \sin\left(2\pi(460)\frac{t}{T}\right) + \\
& 0.0002033599 \cos\left(2\pi(461)\frac{t}{T}\right) + 0.0138904682 \sin\left(2\pi(461)\frac{t}{T}\right) - 0.0019518074 \cos\left(2\pi(462)\frac{t}{T}\right) - \\
& 0.0011359976 \sin\left(2\pi(462)\frac{t}{T}\right) - 0.0080942162 \cos\left(2\pi(463)\frac{t}{T}\right) + 0.0059134755 \sin\left(2\pi(463)\frac{t}{T}\right) - \\
& 0.0005845179 \cos\left(2\pi(464)\frac{t}{T}\right) + 0.0001051005 \sin\left(2\pi(464)\frac{t}{T}\right) - 0.0032523341 \cos\left(2\pi(465)\frac{t}{T}\right) + \\
& 0.0169115597 \sin\left(2\pi(465)\frac{t}{T}\right) - 0.0004126919 \cos\left(2\pi(466)\frac{t}{T}\right) - 0.0033219554 \sin\left(2\pi(466)\frac{t}{T}\right) + \\
& 0.0062707140 \cos\left(2\pi(467)\frac{t}{T}\right) + 0.0003025980 \sin\left(2\pi(467)\frac{t}{T}\right) - 0.0040790575 \cos\left(2\pi(468)\frac{t}{T}\right) - \\
& 0.0015066102 \sin\left(2\pi(468)\frac{t}{T}\right) - 0.0134949001 \cos\left(2\pi(469)\frac{t}{T}\right) - 0.0038134634 \sin\left(2\pi(469)\frac{t}{T}\right) - \\
& 0.0009815474 \cos\left(2\pi(470)\frac{t}{T}\right) + 0.0013904829 \sin\left(2\pi(470)\frac{t}{T}\right) - 0.0101200653 \cos\left(2\pi(471)\frac{t}{T}\right) + \\
& 0.0116262159 \sin\left(2\pi(471)\frac{t}{T}\right) - 0.0000782669 \cos\left(2\pi(472)\frac{t}{T}\right) - 0.0014591291 \sin\left(2\pi(472)\frac{t}{T}\right) - \\
& 0.0037698279 \cos\left(2\pi(473)\frac{t}{T}\right) + 0.0040522485 \sin\left(2\pi(473)\frac{t}{T}\right) - 0.0011389871 \cos\left(2\pi(474)\frac{t}{T}\right) - \\
& 0.0003134071 \sin\left(2\pi(474)\frac{t}{T}\right) - 0.0091707701 \cos\left(2\pi(475)\frac{t}{T}\right) + 0.0081898933 \sin\left(2\pi(475)\frac{t}{T}\right) + \\
& 0.0013249519 \cos\left(2\pi(476)\frac{t}{T}\right) - 0.0016886874 \sin\left(2\pi(476)\frac{t}{T}\right) + 0.0039513672 \cos\left(2\pi(477)\frac{t}{T}\right) + \\
& 0.0070463894 \sin\left(2\pi(477)\frac{t}{T}\right) - 0.0020700546 \cos\left(2\pi(478)\frac{t}{T}\right) - 0.0038744245 \sin\left(2\pi(478)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0027088245 \cos\left(2\pi(479)\frac{t}{T}\right) - 0.0083773210 \sin\left(2\pi(479)\frac{t}{T}\right) - 0.0028835796 \cos\left(2\pi(480)\frac{t}{T}\right) + \\
& 0.0005029476 \sin\left(2\pi(480)\frac{t}{T}\right) - 0.0134527424 \cos\left(2\pi(481)\frac{t}{T}\right) + 0.0022572334 \sin\left(2\pi(481)\frac{t}{T}\right) + \\
& 0.0006517837 \cos\left(2\pi(482)\frac{t}{T}\right) - 0.0001683841 \sin\left(2\pi(482)\frac{t}{T}\right) - 0.0041066621 \cos\left(2\pi(483)\frac{t}{T}\right) + \\
& 0.0049295172 \sin\left(2\pi(483)\frac{t}{T}\right) - 0.0009202622 \cos\left(2\pi(484)\frac{t}{T}\right) - 0.0012210809 \sin\left(2\pi(484)\frac{t}{T}\right) - \\
& 0.0081789010 \cos\left(2\pi(485)\frac{t}{T}\right) + 0.0024598280 \sin\left(2\pi(485)\frac{t}{T}\right) + 0.0009060544 \cos\left(2\pi(486)\frac{t}{T}\right) - \\
& 0.0002362287 \sin\left(2\pi(486)\frac{t}{T}\right) - 0.0016210701 \cos\left(2\pi(487)\frac{t}{T}\right) + 0.0094885744 \sin\left(2\pi(487)\frac{t}{T}\right) + \\
& 0.0006150902 \cos\left(2\pi(488)\frac{t}{T}\right) - 0.0039009323 \sin\left(2\pi(488)\frac{t}{T}\right) + 0.0038498878 \cos\left(2\pi(489)\frac{t}{T}\right) - \\
& 0.0035148077 \sin\left(2\pi(489)\frac{t}{T}\right) - 0.0030137005 \cos\left(2\pi(490)\frac{t}{T}\right) - 0.0017906533 \sin\left(2\pi(490)\frac{t}{T}\right) - \\
& 0.0094083888 \cos\left(2\pi(491)\frac{t}{T}\right) - 0.0043390516 \sin\left(2\pi(491)\frac{t}{T}\right) - 0.0003948723 \cos\left(2\pi(492)\frac{t}{T}\right) + \\
& 0.0004233360 \sin\left(2\pi(492)\frac{t}{T}\right) - 0.0060583521 \cos\left(2\pi(493)\frac{t}{T}\right) + 0.0035802667 \sin\left(2\pi(493)\frac{t}{T}\right) - \\
& 0.0004909316 \cos\left(2\pi(494)\frac{t}{T}\right) - 0.0014616882 \sin\left(2\pi(494)\frac{t}{T}\right) - 0.0064424588 \cos\left(2\pi(495)\frac{t}{T}\right) - \\
& 0.0006350298 \sin\left(2\pi(495)\frac{t}{T}\right) - 0.0000640258 \cos\left(2\pi(496)\frac{t}{T}\right) + 0.0000951681 \sin\left(2\pi(496)\frac{t}{T}\right) - \\
& 0.0073943050 \cos\left(2\pi(497)\frac{t}{T}\right) + 0.0074755229 \sin\left(2\pi(497)\frac{t}{T}\right) + 0.0021278763 \cos\left(2\pi(498)\frac{t}{T}\right) - \\
& 0.0027650210 \sin\left(2\pi(498)\frac{t}{T}\right) + 0.0040649749 \cos\left(2\pi(499)\frac{t}{T}\right) + 0.0031978677 \sin\left(2\pi(499)\frac{t}{T}\right) - \\
& 0.0019582291 \cos\left(2\pi(500)\frac{t}{T}\right) - 0.0037132254 \sin\left(2\pi(500)\frac{t}{T}\right) - 0.0039793485 \cos\left(2\pi(501)\frac{t}{T}\right) - \\
& 0.0063347304 \sin\left(2\pi(501)\frac{t}{T}\right) - 0.0012823959 \cos\left(2\pi(502)\frac{t}{T}\right) + 0.0000150893 \sin\left(2\pi(502)\frac{t}{T}\right) - \\
& 0.0072505679 \cos\left(2\pi(503)\frac{t}{T}\right) + 0.0014959263 \sin\left(2\pi(503)\frac{t}{T}\right) + 0.0000844179 \cos\left(2\pi(504)\frac{t}{T}\right) - \\
& 0.0018669635 \sin\left(2\pi(504)\frac{t}{T}\right) - 0.0035801282 \cos\left(2\pi(505)\frac{t}{T}\right) - 0.0017864366 \sin\left(2\pi(505)\frac{t}{T}\right) - \\
& 0.0015346346 \cos\left(2\pi(506)\frac{t}{T}\right) - 0.0004800685 \sin\left(2\pi(506)\frac{t}{T}\right) - 0.0104842193 \cos\left(2\pi(507)\frac{t}{T}\right) + \\
& 0.0013794026 \sin\left(2\pi(507)\frac{t}{T}\right) + 0.0024647985 \cos\left(2\pi(508)\frac{t}{T}\right) - 0.0004468889 \sin\left(2\pi(508)\frac{t}{T}\right) - \\
& 0.0010831590 \cos\left(2\pi(509)\frac{t}{T}\right) + 0.0070345361 \sin\left(2\pi(509)\frac{t}{T}\right) + 0.0007418905 \cos\left(2\pi(510)\frac{t}{T}\right) - \\
& 0.0046376686 \sin\left(2\pi(510)\frac{t}{T}\right) + 0.0009581808 \cos\left(2\pi(511)\frac{t}{T}\right) - 0.0045949143 \sin\left(2\pi(511)\frac{t}{T}\right) - \\
& 0.0020488074 \cos\left(2\pi(512)\frac{t}{T}\right) - 0.0014668004 \sin\left(2\pi(512)\frac{t}{T}\right) - 0.0072802898 \cos\left(2\pi(513)\frac{t}{T}\right) - \\
& 0.0019350671 \sin\left(2\pi(513)\frac{t}{T}\right) + 0.0008796050 \cos\left(2\pi(514)\frac{t}{T}\right) - 0.0014823601 \sin\left(2\pi(514)\frac{t}{T}\right) - \\
& 0.0020534766 \cos\left(2\pi(515)\frac{t}{T}\right) - 0.0008010312 \sin\left(2\pi(515)\frac{t}{T}\right) - 0.0013600359 \cos\left(2\pi(516)\frac{t}{T}\right) - \\
& 0.0023933106 \sin\left(2\pi(516)\frac{t}{T}\right) - 0.0079034850 \cos\left(2\pi(517)\frac{t}{T}\right) - 0.0050023033 \sin\left(2\pi(517)\frac{t}{T}\right) + \\
& 0.0007742590 \cos\left(2\pi(518)\frac{t}{T}\right) + 0.0010016658 \sin\left(2\pi(518)\frac{t}{T}\right) - 0.0072806664 \cos\left(2\pi(519)\frac{t}{T}\right) + \\
& 0.0053081146 \sin\left(2\pi(519)\frac{t}{T}\right) + 0.0034705030 \cos\left(2\pi(520)\frac{t}{T}\right) - 0.0031238190 \sin\left(2\pi(520)\frac{t}{T}\right) + \\
& 0.0027167724 \cos\left(2\pi(521)\frac{t}{T}\right) - 0.0000460108 \sin\left(2\pi(521)\frac{t}{T}\right) - 0.0010339607 \cos\left(2\pi(522)\frac{t}{T}\right) - \\
& 0.0034708271 \sin\left(2\pi(522)\frac{t}{T}\right) - 0.0046967097 \cos\left(2\pi(523)\frac{t}{T}\right) - 0.0055327163 \sin\left(2\pi(523)\frac{t}{T}\right) + \\
& 0.0007640859 \cos\left(2\pi(524)\frac{t}{T}\right) - 0.0005225852 \sin\left(2\pi(524)\frac{t}{T}\right) - 0.0031888350 \cos\left(2\pi(525)\frac{t}{T}\right) - \\
& 0.0000445374 \sin\left(2\pi(525)\frac{t}{T}\right) + 0.0006264122 \cos\left(2\pi(526)\frac{t}{T}\right) - 0.0031246324 \sin\left(2\pi(526)\frac{t}{T}\right) - \\
& 0.0021412677 \cos\left(2\pi(527)\frac{t}{T}\right) - 0.0065473098 \sin\left(2\pi(527)\frac{t}{T}\right) - 0.0011477359 \cos\left(2\pi(528)\frac{t}{T}\right) + \\
& 0.0001253420 \sin\left(2\pi(528)\frac{t}{T}\right) - 0.0096115619 \cos\left(2\pi(529)\frac{t}{T}\right) - 0.0014556907 \sin\left(2\pi(529)\frac{t}{T}\right) + \\
& 0.0038852250 \cos\left(2\pi(530)\frac{t}{T}\right) - 0.0000394401 \sin\left(2\pi(530)\frac{t}{T}\right) - 0.0004140133 \cos\left(2\pi(531)\frac{t}{T}\right) + \\
& 0.0033302725 \sin\left(2\pi(531)\frac{t}{T}\right) + 0.0016701670 \cos\left(2\pi(532)\frac{t}{T}\right) - 0.0040261819 \sin\left(2\pi(532)\frac{t}{T}\right) + \\
& 0.0002743448 \cos\left(2\pi(533)\frac{t}{T}\right) - 0.0056201217 \sin\left(2\pi(533)\frac{t}{T}\right) - 0.0000394943 \cos\left(2\pi(534)\frac{t}{T}\right) - \\
& 0.0007228808 \sin\left(2\pi(534)\frac{t}{T}\right) - 0.0041990330 \cos\left(2\pi(535)\frac{t}{T}\right) - 0.0020624420 \sin\left(2\pi(535)\frac{t}{T}\right) + \\
& 0.0023316872 \cos\left(2\pi(536)\frac{t}{T}\right) - 0.0021961142 \sin\left(2\pi(536)\frac{t}{T}\right) + 0.0011669168 \cos\left(2\pi(537)\frac{t}{T}\right) - \\
& 0.0039087434 \sin\left(2\pi(537)\frac{t}{T}\right) - 0.0012510628 \cos\left(2\pi(538)\frac{t}{T}\right) - 0.0020906240 \sin\left(2\pi(538)\frac{t}{T}\right) - \\
& 0.0056695688 \cos\left(2\pi(539)\frac{t}{T}\right) - 0.0072793291 \sin\left(2\pi(539)\frac{t}{T}\right) + 0.0015858498 \cos\left(2\pi(540)\frac{t}{T}\right) + \\
& 0.0022862460 \sin\left(2\pi(540)\frac{t}{T}\right) - 0.0049134186 \cos\left(2\pi(541)\frac{t}{T}\right) + 0.0019905058 \sin\left(2\pi(541)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.0043954590 \cos\left(2\pi(542)\frac{t}{T}\right) - 0.0018505485 \sin\left(2\pi(542)\frac{t}{T}\right) + 0.0025955050 \cos\left(2\pi(543)\frac{t}{T}\right) - \\
& 0.0018307115 \sin\left(2\pi(543)\frac{t}{T}\right) + 0.0004403678 \cos\left(2\pi(544)\frac{t}{T}\right) - 0.0021192699 \sin\left(2\pi(544)\frac{t}{T}\right) - \\
& 0.0018664279 \cos\left(2\pi(545)\frac{t}{T}\right) - 0.0044785899 \sin\left(2\pi(545)\frac{t}{T}\right) + 0.0020752756 \cos\left(2\pi(546)\frac{t}{T}\right) - \\
& 0.0003408542 \sin\left(2\pi(546)\frac{t}{T}\right) + 0.0015123879 \cos\left(2\pi(547)\frac{t}{T}\right) - 0.0017572696 \sin\left(2\pi(547)\frac{t}{T}\right) + \\
& 0.0006661596 \cos\left(2\pi(548)\frac{t}{T}\right) - 0.0025496815 \sin\left(2\pi(548)\frac{t}{T}\right) + 0.0005159833 \cos\left(2\pi(549)\frac{t}{T}\right) - \\
& 0.0082653078 \sin\left(2\pi(549)\frac{t}{T}\right) - 0.0008438390 \cos\left(2\pi(550)\frac{t}{T}\right) + 0.0016413587 \sin\left(2\pi(550)\frac{t}{T}\right) - \\
& 0.0063333494 \cos\left(2\pi(551)\frac{t}{T}\right) - 0.0029227148 \sin\left(2\pi(551)\frac{t}{T}\right) + 0.0043677467 \cos\left(2\pi(552)\frac{t}{T}\right) + \\
& 0.0016790422 \sin\left(2\pi(552)\frac{t}{T}\right) + 0.0011225042 \cos\left(2\pi(553)\frac{t}{T}\right) + 0.0017292364 \sin\left(2\pi(553)\frac{t}{T}\right) + \\
& 0.0025689997 \cos\left(2\pi(554)\frac{t}{T}\right) - 0.0021767371 \sin\left(2\pi(554)\frac{t}{T}\right) + 0.0024038256 \cos\left(2\pi(555)\frac{t}{T}\right) - \\
& 0.0039941709 \sin\left(2\pi(555)\frac{t}{T}\right) + 0.0010682597 \cos\left(2\pi(556)\frac{t}{T}\right) - 0.0000552024 \sin\left(2\pi(556)\frac{t}{T}\right) + \\
& 0.0007945836 \cos\left(2\pi(557)\frac{t}{T}\right) - 0.0017336569 \sin\left(2\pi(557)\frac{t}{T}\right) + 0.0021473819 \cos\left(2\pi(558)\frac{t}{T}\right) - \\
& 0.0015525472 \sin\left(2\pi(558)\frac{t}{T}\right) + 0.0043968645 \cos\left(2\pi(559)\frac{t}{T}\right) - 0.0046792236 \sin\left(2\pi(559)\frac{t}{T}\right) - \\
& 0.0014826778 \cos\left(2\pi(560)\frac{t}{T}\right) - 0.0005165068 \sin\left(2\pi(560)\frac{t}{T}\right) - 0.0023109892 \cos\left(2\pi(561)\frac{t}{T}\right) - \\
& 0.0069790773 \sin\left(2\pi(561)\frac{t}{T}\right) + 0.0011462788 \cos\left(2\pi(562)\frac{t}{T}\right) + 0.0038179860 \sin\left(2\pi(562)\frac{t}{T}\right) - \\
& 0.0027124165 \cos\left(2\pi(563)\frac{t}{T}\right) + 0.0011976223 \sin\left(2\pi(563)\frac{t}{T}\right) + 0.0041214210 \cos\left(2\pi(564)\frac{t}{T}\right) + \\
& 0.0006086988 \sin\left(2\pi(564)\frac{t}{T}\right) + 0.0036836636 \cos\left(2\pi(565)\frac{t}{T}\right) + 0.0001424516 \sin\left(2\pi(565)\frac{t}{T}\right) + \\
& 0.0014733451 \cos\left(2\pi(566)\frac{t}{T}\right) - 0.0004393106 \sin\left(2\pi(566)\frac{t}{T}\right) + 0.0021299726 \cos\left(2\pi(567)\frac{t}{T}\right) - \\
& 0.0019330730 \sin\left(2\pi(567)\frac{t}{T}\right) + 0.0019824014 \cos\left(2\pi(568)\frac{t}{T}\right) - 0.0000935670 \sin\left(2\pi(568)\frac{t}{T}\right) + \\
& 0.0044886787 \cos\left(2\pi(569)\frac{t}{T}\right) - 0.0010241389 \sin\left(2\pi(569)\frac{t}{T}\right) - 0.0005504829 \cos\left(2\pi(570)\frac{t}{T}\right) - \\
& 0.0017123642 \sin\left(2\pi(570)\frac{t}{T}\right) + 0.0031891195 \cos\left(2\pi(571)\frac{t}{T}\right) - 0.0061773762 \sin\left(2\pi(571)\frac{t}{T}\right) - \\
& 0.0023509450 \cos\left(2\pi(572)\frac{t}{T}\right) + 0.0027870300 \sin\left(2\pi(572)\frac{t}{T}\right) - 0.0031416899 \cos\left(2\pi(573)\frac{t}{T}\right) - \\
& 0.0028533178 \sin\left(2\pi(573)\frac{t}{T}\right) + 0.0024694645 \cos\left(2\pi(574)\frac{t}{T}\right) + 0.0039171869 \sin\left(2\pi(574)\frac{t}{T}\right) + \\
& 0.0007389472 \cos\left(2\pi(575)\frac{t}{T}\right) + 0.0025375262 \sin\left(2\pi(575)\frac{t}{T}\right) + 0.0025298725 \cos\left(2\pi(576)\frac{t}{T}\right) + \\
& 0.0002948825 \sin\left(2\pi(576)\frac{t}{T}\right) + 0.0035053260 \cos\left(2\pi(577)\frac{t}{T}\right) + 0.0003112720 \sin\left(2\pi(577)\frac{t}{T}\right) + \\
& 0.0012348442 \cos\left(2\pi(578)\frac{t}{T}\right) + 0.0002042327 \sin\left(2\pi(578)\frac{t}{T}\right) + 0.0038184889 \cos\left(2\pi(579)\frac{t}{T}\right) + \\
& 0.0005853786 \sin\left(2\pi(579)\frac{t}{T}\right) + 0.0006921942 \cos\left(2\pi(580)\frac{t}{T}\right) - 0.0016225032 \sin\left(2\pi(580)\frac{t}{T}\right) + \\
& 0.0060175388 \cos\left(2\pi(581)\frac{t}{T}\right) - 0.0028011600 \sin\left(2\pi(581)\frac{t}{T}\right) - 0.0034310984 \cos\left(2\pi(582)\frac{t}{T}\right) - \\
& 0.0002548280 \sin\left(2\pi(582)\frac{t}{T}\right) + 0.0002818025 \cos\left(2\pi(583)\frac{t}{T}\right) - 0.0052450549 \sin\left(2\pi(583)\frac{t}{T}\right) - \\
& 0.0014068699 \cos\left(2\pi(584)\frac{t}{T}\right) + 0.0044913324 \sin\left(2\pi(584)\frac{t}{T}\right) - 0.0018383576 \cos\left(2\pi(585)\frac{t}{T}\right) + \\
& 0.0012901772 \sin\left(2\pi(585)\frac{t}{T}\right) + 0.0024360973 \cos\left(2\pi(586)\frac{t}{T}\right) + 0.0020234938 \sin\left(2\pi(586)\frac{t}{T}\right) + \\
& 0.0031661522 \cos\left(2\pi(587)\frac{t}{T}\right) + 0.0025789205 \sin\left(2\pi(587)\frac{t}{T}\right) + 0.0006452163 \cos\left(2\pi(588)\frac{t}{T}\right) - \\
& 0.0005017235 \sin\left(2\pi(588)\frac{t}{T}\right) + 0.0039160547 \cos\left(2\pi(589)\frac{t}{T}\right) + 0.0008343446 \sin\left(2\pi(589)\frac{t}{T}\right) + \\
& 0.0002197559 \cos\left(2\pi(590)\frac{t}{T}\right) - 0.0011377650 \sin\left(2\pi(590)\frac{t}{T}\right) + 0.0065533660 \cos\left(2\pi(591)\frac{t}{T}\right) - \\
& 0.0000307447 \sin\left(2\pi(591)\frac{t}{T}\right) - 0.0029007551 \cos\left(2\pi(592)\frac{t}{T}\right) - 0.0032487417 \sin\left(2\pi(592)\frac{t}{T}\right) + \\
& 0.0055961265 \cos\left(2\pi(593)\frac{t}{T}\right) - 0.0059020537 \sin\left(2\pi(593)\frac{t}{T}\right) - 0.0063996181 \cos\left(2\pi(594)\frac{t}{T}\right) + \\
& 0.0007159274 \sin\left(2\pi(594)\frac{t}{T}\right) - 0.0010010277 \cos\left(2\pi(595)\frac{t}{T}\right) - 0.0049719720 \sin\left(2\pi(595)\frac{t}{T}\right) - \\
& 0.0031603293 \cos\left(2\pi(596)\frac{t}{T}\right) + 0.0034399347 \sin\left(2\pi(596)\frac{t}{T}\right) + 0.0004015953 \cos\left(2\pi(597)\frac{t}{T}\right) - \\
& 0.0011248392 \sin\left(2\pi(597)\frac{t}{T}\right) - 0.0033574978 \cos\left(2\pi(598)\frac{t}{T}\right) + 0.0012735167 \sin\left(2\pi(598)\frac{t}{T}\right) + \\
& 0.0008362509 \cos\left(2\pi(599)\frac{t}{T}\right) - 0.0042245956 \sin\left(2\pi(599)\frac{t}{T}\right) - 0.0052861678 \cos\left(2\pi(600)\frac{t}{T}\right) + \\
& 0.0033200229 \sin\left(2\pi(600)\frac{t}{T}\right) - 0.0025072673 \cos\left(2\pi(601)\frac{t}{T}\right) - 0.0036374833 \sin\left(2\pi(601)\frac{t}{T}\right) - \\
& 0.0045684816 \cos\left(2\pi(602)\frac{t}{T}\right) + 0.0047557402 \sin\left(2\pi(602)\frac{t}{T}\right) - 0.0035281207 \cos\left(2\pi(603)\frac{t}{T}\right) - \\
& 0.0034953738 \sin\left(2\pi(603)\frac{t}{T}\right) - 0.0056799712 \cos\left(2\pi(604)\frac{t}{T}\right) + 0.0080157301 \sin\left(2\pi(604)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0101688392 \cos\left(2\pi(605)\frac{t}{T}\right) - 0.0020084193 \sin\left(2\pi(605)\frac{t}{T}\right) + 0.0005564826 \cos\left(2\pi(606)\frac{t}{T}\right) + \\
& 0.0134672184 \sin\left(2\pi(606)\frac{t}{T}\right) - 0.0111407996 \cos\left(2\pi(607)\frac{t}{T}\right) + 0.0093104324 \sin\left(2\pi(607)\frac{t}{T}\right) + \\
& 0.0095249110 \cos\left(2\pi(608)\frac{t}{T}\right) + 0.0080945308 \sin\left(2\pi(608)\frac{t}{T}\right) - 0.0012273266 \cos\left(2\pi(609)\frac{t}{T}\right) + \\
& 0.0143857188 \sin\left(2\pi(609)\frac{t}{T}\right) + 0.0093754251 \cos\left(2\pi(610)\frac{t}{T}\right) - 0.0004145647 \sin\left(2\pi(610)\frac{t}{T}\right) + \\
& 0.0054358014 \cos\left(2\pi(611)\frac{t}{T}\right) + 0.0120263554 \sin\left(2\pi(611)\frac{t}{T}\right) + 0.0065709562 \cos\left(2\pi(612)\frac{t}{T}\right) - \\
& 0.0065109343 \sin\left(2\pi(612)\frac{t}{T}\right) + 0.0121131258 \cos\left(2\pi(613)\frac{t}{T}\right) + 0.0069424414 \sin\left(2\pi(613)\frac{t}{T}\right) - \\
& 0.0026706139 \cos\left(2\pi(614)\frac{t}{T}\right) - 0.0110654247 \sin\left(2\pi(614)\frac{t}{T}\right) + 0.0109792233 \cos\left(2\pi(615)\frac{t}{T}\right) - \\
& 0.0052256476 \sin\left(2\pi(615)\frac{t}{T}\right) - 0.0117645689 \cos\left(2\pi(616)\frac{t}{T}\right) - 0.0029466593 \sin\left(2\pi(616)\frac{t}{T}\right) - \\
& 0.0009455437 \cos\left(2\pi(617)\frac{t}{T}\right) - 0.0074326274 \sin\left(2\pi(617)\frac{t}{T}\right) - 0.0077091524 \cos\left(2\pi(618)\frac{t}{T}\right) + \\
& 0.0055288783 \sin\left(2\pi(618)\frac{t}{T}\right) - 0.0047700745 \cos\left(2\pi(619)\frac{t}{T}\right) - 0.0009381035 \sin\left(2\pi(619)\frac{t}{T}\right) - \\
& 0.0035198244 \cos\left(2\pi(620)\frac{t}{T}\right) + 0.0057297773 \sin\left(2\pi(620)\frac{t}{T}\right) - 0.0056324286 \cos\left(2\pi(621)\frac{t}{T}\right) + \\
& 0.0021767603 \sin\left(2\pi(621)\frac{t}{T}\right) + 0.0010845714 \cos\left(2\pi(622)\frac{t}{T}\right) + 0.0065530696 \sin\left(2\pi(622)\frac{t}{T}\right) - \\
& 0.0034702781 \cos\left(2\pi(623)\frac{t}{T}\right) + 0.0087302013 \sin\left(2\pi(623)\frac{t}{T}\right) + 0.0056079647 \cos\left(2\pi(624)\frac{t}{T}\right) - \\
& 0.0003899432 \sin\left(2\pi(624)\frac{t}{T}\right) + 0.0050049818 \cos\left(2\pi(625)\frac{t}{T}\right) + 0.0072814498 \sin\left(2\pi(625)\frac{t}{T}\right) - \\
& 0.0014161759 \cos\left(2\pi(626)\frac{t}{T}\right) - 0.0055664636 \sin\left(2\pi(626)\frac{t}{T}\right) + 0.0030585410 \cos\left(2\pi(627)\frac{t}{T}\right) + \\
& 0.0003751032 \sin\left(2\pi(627)\frac{t}{T}\right) - 0.0041253711 \cos\left(2\pi(628)\frac{t}{T}\right) - 0.0010789919 \sin\left(2\pi(628)\frac{t}{T}\right) + \\
& 0.0006407147 \cos\left(2\pi(629)\frac{t}{T}\right) + 0.0020790602 \sin\left(2\pi(629)\frac{t}{T}\right) - 0.0033202092 \cos\left(2\pi(630)\frac{t}{T}\right) - \\
& 0.0021604241 \sin\left(2\pi(630)\frac{t}{T}\right) + 0.0017553134 \cos\left(2\pi(631)\frac{t}{T}\right) - 0.0003801136 \sin\left(2\pi(631)\frac{t}{T}\right) - \\
& 0.0067137467 \cos\left(2\pi(632)\frac{t}{T}\right) + 0.0004744367 \sin\left(2\pi(632)\frac{t}{T}\right) - 0.0038342934 \cos\left(2\pi(633)\frac{t}{T}\right) - \\
& 0.0000403262 \sin\left(2\pi(633)\frac{t}{T}\right) - 0.0014041953 \cos\left(2\pi(634)\frac{t}{T}\right) + 0.0036540768 \sin\left(2\pi(634)\frac{t}{T}\right) - \\
& 0.0018609061 \cos\left(2\pi(635)\frac{t}{T}\right) + 0.0052759825 \sin\left(2\pi(635)\frac{t}{T}\right) - 0.0007224256 \cos\left(2\pi(636)\frac{t}{T}\right) - \\
& 0.0017196018 \sin\left(2\pi(636)\frac{t}{T}\right) + 0.0003794997 \cos\left(2\pi(637)\frac{t}{T}\right) + 0.0016945560 \sin\left(2\pi(637)\frac{t}{T}\right) - \\
& 0.0036820154 \cos\left(2\pi(638)\frac{t}{T}\right) + 0.0005659871 \sin\left(2\pi(638)\frac{t}{T}\right) - 0.0030517565 \cos\left(2\pi(639)\frac{t}{T}\right) + \\
& 0.0035018090 \sin\left(2\pi(639)\frac{t}{T}\right) + 0.0011986565 \cos\left(2\pi(640)\frac{t}{T}\right) - 0.0004551553 \sin\left(2\pi(640)\frac{t}{T}\right) + \\
& 0.0015426539 \cos\left(2\pi(641)\frac{t}{T}\right) + 0.0053806699 \sin\left(2\pi(641)\frac{t}{T}\right) - 0.0025400316 \cos\left(2\pi(642)\frac{t}{T}\right) - \\
& 0.0057129370 \sin\left(2\pi(642)\frac{t}{T}\right) + 0.0006956735 \cos\left(2\pi(643)\frac{t}{T}\right) - 0.0000016640 \sin\left(2\pi(643)\frac{t}{T}\right) - \\
& 0.0046644490 \cos\left(2\pi(644)\frac{t}{T}\right) - 0.0008237799 \sin\left(2\pi(644)\frac{t}{T}\right) - 0.0021648671 \cos\left(2\pi(645)\frac{t}{T}\right) + \\
& 0.0022242262 \sin\left(2\pi(645)\frac{t}{T}\right) - 0.0017690731 \cos\left(2\pi(646)\frac{t}{T}\right) - 0.0023407700 \sin\left(2\pi(646)\frac{t}{T}\right) + \\
& 0.0005470761 \cos\left(2\pi(647)\frac{t}{T}\right) + 0.0011728210 \sin\left(2\pi(647)\frac{t}{T}\right) - 0.0068898804 \cos\left(2\pi(648)\frac{t}{T}\right) - \\
& 0.0017258899 \sin\left(2\pi(648)\frac{t}{T}\right) - 0.0048120904 \cos\left(2\pi(649)\frac{t}{T}\right) - 0.0003143469 \sin\left(2\pi(649)\frac{t}{T}\right) - \\
& 0.0017389855 \cos\left(2\pi(650)\frac{t}{T}\right) + 0.0036125468 \sin\left(2\pi(650)\frac{t}{T}\right) - 0.0043874818 \cos\left(2\pi(651)\frac{t}{T}\right) + \\
& 0.0059290783 \sin\left(2\pi(651)\frac{t}{T}\right) + 0.0029395482 \cos\left(2\pi(652)\frac{t}{T}\right) - 0.0039615385 \sin\left(2\pi(652)\frac{t}{T}\right) + \\
& 0.0009455376 \cos\left(2\pi(653)\frac{t}{T}\right) + 0.0029941151 \sin\left(2\pi(653)\frac{t}{T}\right) - 0.0027423147 \cos\left(2\pi(654)\frac{t}{T}\right) - \\
& 0.0047161711 \sin\left(2\pi(654)\frac{t}{T}\right) - 0.0015076683 \cos\left(2\pi(655)\frac{t}{T}\right) + 0.0012649350 \sin\left(2\pi(655)\frac{t}{T}\right) - \\
& 0.0009464968 \cos\left(2\pi(656)\frac{t}{T}\right) - 0.0029402705 \sin\left(2\pi(656)\frac{t}{T}\right) + 0.0009084368 \cos\left(2\pi(657)\frac{t}{T}\right) + \\
& 0.0021322133 \sin\left(2\pi(657)\frac{t}{T}\right) - 0.0051842105 \cos\left(2\pi(658)\frac{t}{T}\right) - 0.0064215211 \sin\left(2\pi(658)\frac{t}{T}\right) - \\
& 0.0017471226 \cos\left(2\pi(659)\frac{t}{T}\right) - 0.0030573931 \sin\left(2\pi(659)\frac{t}{T}\right) - 0.0067096296 \cos\left(2\pi(660)\frac{t}{T}\right) + \\
& 0.0018261365 \sin\left(2\pi(660)\frac{t}{T}\right) - 0.0069017642 \cos\left(2\pi(661)\frac{t}{T}\right) + 0.0019776171 \sin\left(2\pi(661)\frac{t}{T}\right) + \\
& 0.0024978190 \cos\left(2\pi(662)\frac{t}{T}\right) + 0.0008594968 \sin\left(2\pi(662)\frac{t}{T}\right) - 0.0012412481 \cos\left(2\pi(663)\frac{t}{T}\right) + \\
& 0.0057202944 \sin\left(2\pi(663)\frac{t}{T}\right) - 0.0019223211 \cos\left(2\pi(664)\frac{t}{T}\right) - 0.0073503622 \sin\left(2\pi(664)\frac{t}{T}\right) - \\
& 0.0027152882 \cos\left(2\pi(665)\frac{t}{T}\right) + 0.0002530023 \sin\left(2\pi(665)\frac{t}{T}\right) - 0.0020193485 \cos\left(2\pi(666)\frac{t}{T}\right) - \\
& 0.0036017510 \sin\left(2\pi(666)\frac{t}{T}\right) - 0.0056402408 \cos\left(2\pi(667)\frac{t}{T}\right) + 0.0025640593 \sin\left(2\pi(667)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.0062251713 \cos\left(2\pi(668)\frac{t}{T}\right) - 0.0077767190 \sin\left(2\pi(668)\frac{t}{T}\right) + 0.0002021010 \cos\left(2\pi(669)\frac{t}{T}\right) - \\
& 0.0016791772 \sin\left(2\pi(669)\frac{t}{T}\right) + 0.0020597731 \cos\left(2\pi(670)\frac{t}{T}\right) - 0.0069092480 \sin\left(2\pi(670)\frac{t}{T}\right) + \\
& 0.0016492531 \cos\left(2\pi(671)\frac{t}{T}\right) - 0.0064026169 \sin\left(2\pi(671)\frac{t}{T}\right) - 0.0023917279 \cos\left(2\pi(672)\frac{t}{T}\right) + \\
& 0.0035256452 \sin\left(2\pi(672)\frac{t}{T}\right) + 0.0002180651 \cos\left(2\pi(673)\frac{t}{T}\right) - 0.0039409107 \sin\left(2\pi(673)\frac{t}{T}\right) - \\
& 0.0045641671 \cos\left(2\pi(674)\frac{t}{T}\right) + 0.0119341768 \sin\left(2\pi(674)\frac{t}{T}\right) - 0.0024037689 \cos\left(2\pi(675)\frac{t}{T}\right) + \\
& 0.0036447297 \sin\left(2\pi(675)\frac{t}{T}\right) - 0.0000602160 \cos\left(2\pi(676)\frac{t}{T}\right) + 0.0109609728 \sin\left(2\pi(676)\frac{t}{T}\right) + \\
& 0.0010627659 \cos\left(2\pi(677)\frac{t}{T}\right) + 0.0140736913 \sin\left(2\pi(677)\frac{t}{T}\right) - 0.0007463355 \cos\left(2\pi(678)\frac{t}{T}\right) - \\
& 0.0123512250 \sin\left(2\pi(678)\frac{t}{T}\right) + 0.0072650377 \cos\left(2\pi(679)\frac{t}{T}\right) + 0.0068050580 \sin\left(2\pi(679)\frac{t}{T}\right) - \\
& 0.0230626716 \cos\left(2\pi(680)\frac{t}{T}\right) - 0.0184174673 \sin\left(2\pi(680)\frac{t}{T}\right) - 0.0086567239 \cos\left(2\pi(681)\frac{t}{T}\right) - \\
& 0.0041058958 \sin\left(2\pi(681)\frac{t}{T}\right) - 0.0132448738 \cos\left(2\pi(682)\frac{t}{T}\right) + 0.0009368960 \sin\left(2\pi(682)\frac{t}{T}\right) - \\
& 0.0158184556 \cos\left(2\pi(683)\frac{t}{T}\right) + 0.0057972354 \sin\left(2\pi(683)\frac{t}{T}\right) + 0.0115261361 \cos\left(2\pi(684)\frac{t}{T}\right) - \\
& 0.0131127350 \sin\left(2\pi(684)\frac{t}{T}\right) - 0.0015540169 \cos\left(2\pi(685)\frac{t}{T}\right) + 0.0016435106 \sin\left(2\pi(685)\frac{t}{T}\right) - \\
& 0.0037283068 \cos\left(2\pi(686)\frac{t}{T}\right) - 0.0188760388 \sin\left(2\pi(686)\frac{t}{T}\right) - 0.0089266257 \cos\left(2\pi(687)\frac{t}{T}\right) - \\
& 0.0065094970 \sin\left(2\pi(687)\frac{t}{T}\right) + 0.0042434103 \cos\left(2\pi(688)\frac{t}{T}\right) - 0.0015966876 \sin\left(2\pi(688)\frac{t}{T}\right) - \\
& 0.0099675481 \cos\left(2\pi(689)\frac{t}{T}\right) + 0.0017689476 \sin\left(2\pi(689)\frac{t}{T}\right) + 0.0204462407 \cos\left(2\pi(690)\frac{t}{T}\right) - \\
& 0.0133712158 \sin\left(2\pi(690)\frac{t}{T}\right) + 0.0036834585 \cos\left(2\pi(691)\frac{t}{T}\right) - 0.0032623589 \sin\left(2\pi(691)\frac{t}{T}\right) - \\
& 0.0003527138 \cos\left(2\pi(692)\frac{t}{T}\right) - 0.0158720257 \sin\left(2\pi(692)\frac{t}{T}\right) - 0.0030761549 \cos\left(2\pi(693)\frac{t}{T}\right) - \\
& 0.0123414122 \sin\left(2\pi(693)\frac{t}{T}\right) + 0.0028129753 \cos\left(2\pi(694)\frac{t}{T}\right) + 0.0072479539 \sin\left(2\pi(694)\frac{t}{T}\right) - \\
& 0.0057921955 \cos\left(2\pi(695)\frac{t}{T}\right) - 0.0023835276 \sin\left(2\pi(695)\frac{t}{T}\right) + 0.0157474294 \cos\left(2\pi(696)\frac{t}{T}\right) + \\
& 0.0004762307 \sin\left(2\pi(696)\frac{t}{T}\right) + 0.0025315508 \cos\left(2\pi(697)\frac{t}{T}\right) - 0.0025020421 \sin\left(2\pi(697)\frac{t}{T}\right) + \\
& 0.0041692998 \cos\left(2\pi(698)\frac{t}{T}\right) - 0.0024623570 \sin\left(2\pi(698)\frac{t}{T}\right) - 0.0003919006 \cos\left(2\pi(699)\frac{t}{T}\right) - \\
& 0.0051653614 \sin\left(2\pi(699)\frac{t}{T}\right) + 0.0074146142 \cos\left(2\pi(700)\frac{t}{T}\right) + 0.0070796921 \sin\left(2\pi(700)\frac{t}{T}\right) + \\
& 0.0009746821 \cos\left(2\pi(701)\frac{t}{T}\right) + 0.0007876542 \sin\left(2\pi(701)\frac{t}{T}\right) + 0.0084713441 \cos\left(2\pi(702)\frac{t}{T}\right) - \\
& 0.0031195783 \sin\left(2\pi(702)\frac{t}{T}\right) + 0.0055681665 \cos\left(2\pi(703)\frac{t}{T}\right) - 0.0025631738 \sin\left(2\pi(703)\frac{t}{T}\right) - \\
& 0.0040247702 \cos\left(2\pi(704)\frac{t}{T}\right) - 0.0013238026 \sin\left(2\pi(704)\frac{t}{T}\right) + 0.0009727263 \cos\left(2\pi(705)\frac{t}{T}\right) - \\
& 0.0046232722 \sin\left(2\pi(705)\frac{t}{T}\right) - 0.0024081797 \cos\left(2\pi(706)\frac{t}{T}\right) + 0.0083757672 \sin\left(2\pi(706)\frac{t}{T}\right) - \\
& 0.0013683824 \cos\left(2\pi(707)\frac{t}{T}\right) - 0.0004137016 \sin\left(2\pi(707)\frac{t}{T}\right) + 0.0037367522 \cos\left(2\pi(708)\frac{t}{T}\right) + \\
& 0.0055566353 \sin\left(2\pi(708)\frac{t}{T}\right) + 0.0012082776 \cos\left(2\pi(709)\frac{t}{T}\right) + 0.0012530720 \sin\left(2\pi(709)\frac{t}{T}\right) + \\
& 0.0011830899 \cos\left(2\pi(710)\frac{t}{T}\right) + 0.0011554449 \sin\left(2\pi(710)\frac{t}{T}\right) + 0.0009014381 \cos\left(2\pi(711)\frac{t}{T}\right) + \\
& 0.0009985412 \sin\left(2\pi(711)\frac{t}{T}\right) + 0.0011747513 \cos\left(2\pi(712)\frac{t}{T}\right) + 0.0001622957 \sin\left(2\pi(712)\frac{t}{T}\right) + \\
& 0.0021253290 \cos\left(2\pi(713)\frac{t}{T}\right) + 0.0011100192 \sin\left(2\pi(713)\frac{t}{T}\right) - 0.0020786993 \cos\left(2\pi(714)\frac{t}{T}\right) - \\
& 0.0027485683 \sin\left(2\pi(714)\frac{t}{T}\right) + 0.0017803750 \cos\left(2\pi(715)\frac{t}{T}\right) + 0.0001572636 \sin\left(2\pi(715)\frac{t}{T}\right) - \\
& 0.0051889313 \cos\left(2\pi(716)\frac{t}{T}\right) - 0.0017205973 \sin\left(2\pi(716)\frac{t}{T}\right) + 0.0001947656 \cos\left(2\pi(717)\frac{t}{T}\right) - \\
& 0.0022419658 \sin\left(2\pi(717)\frac{t}{T}\right) - 0.0056365840 \cos\left(2\pi(718)\frac{t}{T}\right) + 0.0017739187 \sin\left(2\pi(718)\frac{t}{T}\right) - \\
& 0.0028090378 \cos\left(2\pi(719)\frac{t}{T}\right) + 0.0002248030 \sin\left(2\pi(719)\frac{t}{T}\right) + 0.0009170593 \cos\left(2\pi(720)\frac{t}{T}\right) + \\
& 0.0016087610 \sin\left(2\pi(720)\frac{t}{T}\right) - 0.0009371327 \cos\left(2\pi(721)\frac{t}{T}\right) + 0.0020464568 \sin\left(2\pi(721)\frac{t}{T}\right) - \\
& 0.0000739860 \cos\left(2\pi(722)\frac{t}{T}\right) - 0.0050076799 \sin\left(2\pi(722)\frac{t}{T}\right) - 0.0003400054 \cos\left(2\pi(723)\frac{t}{T}\right) - \\
& 0.0001615938 \sin\left(2\pi(723)\frac{t}{T}\right) - 0.0024657552 \cos\left(2\pi(724)\frac{t}{T}\right) - 0.0026903233 \sin\left(2\pi(724)\frac{t}{T}\right) - \\
& 0.0020570554 \cos\left(2\pi(725)\frac{t}{T}\right) + 0.0005132060 \sin\left(2\pi(725)\frac{t}{T}\right) + 0.0012304412 \cos\left(2\pi(726)\frac{t}{T}\right) - \\
& 0.0046815817 \sin\left(2\pi(726)\frac{t}{T}\right) - 0.0001682184 \cos\left(2\pi(727)\frac{t}{T}\right) + 0.0001348280 \sin\left(2\pi(727)\frac{t}{T}\right) - \\
& 0.0042071690 \cos\left(2\pi(728)\frac{t}{T}\right) - 0.0062709467 \sin\left(2\pi(728)\frac{t}{T}\right) - 0.0020279054 \cos\left(2\pi(729)\frac{t}{T}\right) - \\
& 0.0017427576 \sin\left(2\pi(729)\frac{t}{T}\right) - 0.0024391298 \cos\left(2\pi(730)\frac{t}{T}\right) + 0.0018733941 \sin\left(2\pi(730)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
&0.0033516235 \cos\left(2\pi(731)\frac{t}{T}\right) + 0.0003895594 \sin\left(2\pi(731)\frac{t}{T}\right) + 0.0058033491 \cos\left(2\pi(732)\frac{t}{T}\right) - \\
&0.0021654156 \sin\left(2\pi(732)\frac{t}{T}\right) - 0.0003463086 \cos\left(2\pi(733)\frac{t}{T}\right) + 0.0009278746 \sin\left(2\pi(733)\frac{t}{T}\right) + \\
&0.0011677086 \cos\left(2\pi(734)\frac{t}{T}\right) - 0.0069610762 \sin\left(2\pi(734)\frac{t}{T}\right) - 0.0009066702 \cos\left(2\pi(735)\frac{t}{T}\right) - \\
&0.0013705403 \sin\left(2\pi(735)\frac{t}{T}\right) + 0.0011449498 \cos\left(2\pi(736)\frac{t}{T}\right) - 0.0021507254 \sin\left(2\pi(736)\frac{t}{T}\right) - \\
&0.0011981905 \cos\left(2\pi(737)\frac{t}{T}\right) - 0.0000202499 \sin\left(2\pi(737)\frac{t}{T}\right) + 0.0030440969 \cos\left(2\pi(738)\frac{t}{T}\right) - \\
&0.0064485510 \sin\left(2\pi(738)\frac{t}{T}\right) + 0.0002455434 \cos\left(2\pi(739)\frac{t}{T}\right) - 0.0018715054 \sin\left(2\pi(739)\frac{t}{T}\right) - \\
&0.0031894674 \cos\left(2\pi(740)\frac{t}{T}\right) - 0.0029185463 \sin\left(2\pi(740)\frac{t}{T}\right) - 0.0026329191 \cos\left(2\pi(741)\frac{t}{T}\right) - \\
&0.0023867487 \sin\left(2\pi(741)\frac{t}{T}\right) + 0.0044474758 \cos\left(2\pi(742)\frac{t}{T}\right) + 0.0035879112 \sin\left(2\pi(742)\frac{t}{T}\right) - \\
&0.0015933437 \cos\left(2\pi(743)\frac{t}{T}\right) + 0.0008523045 \sin\left(2\pi(743)\frac{t}{T}\right) + 0.0074845904 \cos\left(2\pi(744)\frac{t}{T}\right) - \\
&0.0050371347 \sin\left(2\pi(744)\frac{t}{T}\right) + 0.0004779726 \cos\left(2\pi(745)\frac{t}{T}\right) - 0.0011479021 \sin\left(2\pi(745)\frac{t}{T}\right) + \\
&0.0009198274 \cos\left(2\pi(746)\frac{t}{T}\right) - 0.0031416958 \sin\left(2\pi(746)\frac{t}{T}\right) - 0.0011729544 \cos\left(2\pi(747)\frac{t}{T}\right) - \\
&0.0015207952 \sin\left(2\pi(747)\frac{t}{T}\right) + 0.0058215735 \cos\left(2\pi(748)\frac{t}{T}\right) - 0.0008471812 \sin\left(2\pi(748)\frac{t}{T}\right) + \\
&0.0003067000 \cos\left(2\pi(749)\frac{t}{T}\right) - 0.0006788889 \sin\left(2\pi(749)\frac{t}{T}\right) + 0.0024172863 \cos\left(2\pi(750)\frac{t}{T}\right) - \\
&0.0055092109 \sin\left(2\pi(750)\frac{t}{T}\right) - 0.0001047230 \cos\left(2\pi(751)\frac{t}{T}\right) - 0.0029845050 \sin\left(2\pi(751)\frac{t}{T}\right) - \\
&0.0006484595 \cos\left(2\pi(752)\frac{t}{T}\right) + 0.0031757421 \sin\left(2\pi(752)\frac{t}{T}\right) - 0.0020872478 \cos\left(2\pi(753)\frac{t}{T}\right) - \\
&0.0008701539 \sin\left(2\pi(753)\frac{t}{T}\right) + 0.0088456134 \cos\left(2\pi(754)\frac{t}{T}\right) + 0.0024530215 \sin\left(2\pi(754)\frac{t}{T}\right) + \\
&0.0007686260 \cos\left(2\pi(755)\frac{t}{T}\right) - 0.0000504795 \sin\left(2\pi(755)\frac{t}{T}\right) + 0.0041712503 \cos\left(2\pi(756)\frac{t}{T}\right) - \\
&0.0036476743 \sin\left(2\pi(756)\frac{t}{T}\right) + 0.0002072686 \cos\left(2\pi(757)\frac{t}{T}\right) - 0.0021488794 \sin\left(2\pi(757)\frac{t}{T}\right) + \\
&0.0027603025 \cos\left(2\pi(758)\frac{t}{T}\right) + 0.0022499817 \sin\left(2\pi(758)\frac{t}{T}\right) - 0.0004538184 \cos\left(2\pi(759)\frac{t}{T}\right) - \\
&0.0003533731 \sin\left(2\pi(759)\frac{t}{T}\right) + 0.0061349762 \cos\left(2\pi(760)\frac{t}{T}\right) - 0.0018889751 \sin\left(2\pi(760)\frac{t}{T}\right) + \\
&0.0013384431 \cos\left(2\pi(761)\frac{t}{T}\right) - 0.0013090794 \sin\left(2\pi(761)\frac{t}{T}\right) - 0.0017884655 \cos\left(2\pi(762)\frac{t}{T}\right) - \\
&0.0006243728 \sin\left(2\pi(762)\frac{t}{T}\right) - 0.0006064201 \cos\left(2\pi(763)\frac{t}{T}\right) - 0.0022750240 \sin\left(2\pi(763)\frac{t}{T}\right) + \\
&0.0033036139 \cos\left(2\pi(764)\frac{t}{T}\right) + 0.0073216046 \sin\left(2\pi(764)\frac{t}{T}\right) - 0.0003939451 \cos\left(2\pi(765)\frac{t}{T}\right) + \\
&0.0001903723 \sin\left(2\pi(765)\frac{t}{T}\right) + 0.0074641699 \cos\left(2\pi(766)\frac{t}{T}\right) + 0.0001264176 \sin\left(2\pi(766)\frac{t}{T}\right) + \\
&0.0012315603 \cos\left(2\pi(767)\frac{t}{T}\right) - 0.0007035444 \sin\left(2\pi(767)\frac{t}{T}\right) + 0.0008582887 \cos\left(2\pi(768)\frac{t}{T}\right) + \\
&0.0004840699 \sin\left(2\pi(768)\frac{t}{T}\right) - 0.0000160003 \cos\left(2\pi(769)\frac{t}{T}\right) - 0.0009291784 \sin\left(2\pi(769)\frac{t}{T}\right) + \\
&0.0044033193 \cos\left(2\pi(770)\frac{t}{T}\right) + 0.0030405534 \sin\left(2\pi(770)\frac{t}{T}\right) + 0.0008273101 \cos\left(2\pi(771)\frac{t}{T}\right) - \\
&0.0001490395 \sin\left(2\pi(771)\frac{t}{T}\right) + 0.0014967464 \cos\left(2\pi(772)\frac{t}{T}\right) - 0.0015465790 \sin\left(2\pi(772)\frac{t}{T}\right) + \\
&0.0008071686 \cos\left(2\pi(773)\frac{t}{T}\right) - 0.0015614861 \sin\left(2\pi(773)\frac{t}{T}\right) - 0.0019734471 \cos\left(2\pi(774)\frac{t}{T}\right) + \\
&0.0055616985 \sin\left(2\pi(774)\frac{t}{T}\right) - 0.0005828862 \cos\left(2\pi(775)\frac{t}{T}\right) - 0.0004062236 \sin\left(2\pi(775)\frac{t}{T}\right) + \\
&0.0057611461 \cos\left(2\pi(776)\frac{t}{T}\right) + 0.0053381063 \sin\left(2\pi(776)\frac{t}{T}\right) + 0.0007790451 \cos\left(2\pi(777)\frac{t}{T}\right) + \\
&0.0004046587 \sin\left(2\pi(777)\frac{t}{T}\right) + 0.0018805999 \cos\left(2\pi(778)\frac{t}{T}\right) - 0.0006024003 \sin\left(2\pi(778)\frac{t}{T}\right) + \\
&0.0007439907 \cos\left(2\pi(779)\frac{t}{T}\right) - 0.0007896607 \sin\left(2\pi(779)\frac{t}{T}\right) + 0.0000392632 \cos\left(2\pi(780)\frac{t}{T}\right) + \\
&0.0041156636 \sin\left(2\pi(780)\frac{t}{T}\right) + 0.0002525821 \cos\left(2\pi(781)\frac{t}{T}\right) - 0.0001077562 \sin\left(2\pi(781)\frac{t}{T}\right) + \\
&0.0032357850 \cos\left(2\pi(782)\frac{t}{T}\right) + 0.0010747531 \sin\left(2\pi(782)\frac{t}{T}\right) + 0.0009144554 \cos\left(2\pi(783)\frac{t}{T}\right) - \\
&0.0004173433 \sin\left(2\pi(783)\frac{t}{T}\right) - 0.0032489801 \cos\left(2\pi(784)\frac{t}{T}\right) + 0.0010396659 \sin\left(2\pi(784)\frac{t}{T}\right) - \\
&0.0001010779 \cos\left(2\pi(785)\frac{t}{T}\right) - 0.0008241617 \sin\left(2\pi(785)\frac{t}{T}\right) - 0.0002194851 \cos\left(2\pi(786)\frac{t}{T}\right) + \\
&0.0071232656 \sin\left(2\pi(786)\frac{t}{T}\right) + 0.0000835129 \cos\left(2\pi(787)\frac{t}{T}\right) + 0.0002712362 \sin\left(2\pi(787)\frac{t}{T}\right) + \\
&0.0032764575 \cos\left(2\pi(788)\frac{t}{T}\right) + 0.0016157918 \sin\left(2\pi(788)\frac{t}{T}\right) + 0.0008221775 \cos\left(2\pi(789)\frac{t}{T}\right) - \\
&0.0001906627 \sin\left(2\pi(789)\frac{t}{T}\right) - 0.0020477843 \cos\left(2\pi(790)\frac{t}{T}\right) + 0.0016489006 \sin\left(2\pi(790)\frac{t}{T}\right) + \\
&0.0000242054 \cos\left(2\pi(791)\frac{t}{T}\right) - 0.0001924470 \sin\left(2\pi(791)\frac{t}{T}\right) + 0.0004366039 \cos\left(2\pi(792)\frac{t}{T}\right) + \\
&0.0035026298 \sin\left(2\pi(792)\frac{t}{T}\right) + 0.0003923529 \cos\left(2\pi(793)\frac{t}{T}\right) + 0.0001618017 \sin\left(2\pi(793)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
&0.0022046037 \cos\left(2\pi(794)\frac{t}{T}\right) - 0.0004082233 \sin\left(2\pi(794)\frac{t}{T}\right) + 0.0003314363 \cos\left(2\pi(795)\frac{t}{T}\right) - \\
&0.0005312934 \sin\left(2\pi(795)\frac{t}{T}\right) - 0.0050975379 \cos\left(2\pi(796)\frac{t}{T}\right) + 0.0055348975 \sin\left(2\pi(796)\frac{t}{T}\right) - \\
&0.0003354629 \cos\left(2\pi(797)\frac{t}{T}\right) + 0.0000433796 \sin\left(2\pi(797)\frac{t}{T}\right) + 0.0016302614 \cos\left(2\pi(798)\frac{t}{T}\right) + \\
&0.0059321030 \sin\left(2\pi(798)\frac{t}{T}\right) + 0.0002503198 \cos\left(2\pi(799)\frac{t}{T}\right) + 0.0003820089 \sin\left(2\pi(799)\frac{t}{T}\right) - \\
&0.0008212736 \cos\left(2\pi(800)\frac{t}{T}\right) + 0.0009816911 \sin\left(2\pi(800)\frac{t}{T}\right) + 0.0001241144 \cos\left(2\pi(801)\frac{t}{T}\right) - \\
&0.0001433115 \sin\left(2\pi(801)\frac{t}{T}\right) - 0.0022288016 \cos\left(2\pi(802)\frac{t}{T}\right) + 0.0045480879 \sin\left(2\pi(802)\frac{t}{T}\right) - \\
&0.0001737534 \cos\left(2\pi(803)\frac{t}{T}\right) + 0.0001607570 \sin\left(2\pi(803)\frac{t}{T}\right) + 0.0007110540 \cos\left(2\pi(804)\frac{t}{T}\right) + \\
&0.0024216673 \sin\left(2\pi(804)\frac{t}{T}\right) + 0.0001430386 \cos\left(2\pi(805)\frac{t}{T}\right) + 0.0000136481 \sin\left(2\pi(805)\frac{t}{T}\right) - \\
&0.0031954002 \cos\left(2\pi(806)\frac{t}{T}\right) + 0.0025538077 \sin\left(2\pi(806)\frac{t}{T}\right) - 0.0002450177 \cos\left(2\pi(807)\frac{t}{T}\right) + \\
&0.0000297425 \sin\left(2\pi(807)\frac{t}{T}\right) + 0.0007119931 \cos\left(2\pi(808)\frac{t}{T}\right) + 0.0059435926 \sin\left(2\pi(808)\frac{t}{T}\right) + \\
&0.0000003854 \cos\left(2\pi(809)\frac{t}{T}\right) + 0.0005502157 \sin\left(2\pi(809)\frac{t}{T}\right) + 0.0029496361 \cos\left(2\pi(810)\frac{t}{T}\right) - \\
&0.0008744373 \sin\left(2\pi(810)\frac{t}{T}\right) + 0.0003806058 \cos\left(2\pi(811)\frac{t}{T}\right) + 0.0001974375 \sin\left(2\pi(811)\frac{t}{T}\right) - \\
&0.0029765546 \cos\left(2\pi(812)\frac{t}{T}\right) - 0.0016373867 \sin\left(2\pi(812)\frac{t}{T}\right) + 0.0000455115 \cos\left(2\pi(813)\frac{t}{T}\right) - \\
&0.0000613348 \sin\left(2\pi(813)\frac{t}{T}\right) - 0.0017154644 \cos\left(2\pi(814)\frac{t}{T}\right) + 0.0002648122 \sin\left(2\pi(814)\frac{t}{T}\right) + \\
&0.0000286721 \cos\left(2\pi(815)\frac{t}{T}\right) - 0.0000337803 \sin\left(2\pi(815)\frac{t}{T}\right) - 0.0047517714 \cos\left(2\pi(816)\frac{t}{T}\right) - \\
&0.0020008651 \sin\left(2\pi(816)\frac{t}{T}\right) - 0.0000327607 \cos\left(2\pi(817)\frac{t}{T}\right) - 0.0001718025 \sin\left(2\pi(817)\frac{t}{T}\right) - \\
&0.0068063926 \cos\left(2\pi(818)\frac{t}{T}\right) + 0.0042483330 \sin\left(2\pi(818)\frac{t}{T}\right) - 0.0001727279 \cos\left(2\pi(819)\frac{t}{T}\right) - \\
&0.0000591061 \sin\left(2\pi(819)\frac{t}{T}\right) + 0.0004246559 \cos\left(2\pi(820)\frac{t}{T}\right) + 0.0048535216 \sin\left(2\pi(820)\frac{t}{T}\right) - \\
&0.0001037400 \cos\left(2\pi(821)\frac{t}{T}\right) + 0.0000078117 \sin\left(2\pi(821)\frac{t}{T}\right) - 0.0003978813 \cos\left(2\pi(822)\frac{t}{T}\right) - \\
&0.0001706434 \sin\left(2\pi(822)\frac{t}{T}\right) - 0.0001623264 \cos\left(2\pi(823)\frac{t}{T}\right) - 0.0000339555 \sin\left(2\pi(823)\frac{t}{T}\right) - \\
&0.0009824784 \cos\left(2\pi(824)\frac{t}{T}\right) + 0.0010892395 \sin\left(2\pi(824)\frac{t}{T}\right) - 0.0001897145 \cos\left(2\pi(825)\frac{t}{T}\right) + \\
&0.0001168211 \sin\left(2\pi(825)\frac{t}{T}\right) - 0.0002231275 \cos\left(2\pi(826)\frac{t}{T}\right) - 0.0025538039 \sin\left(2\pi(826)\frac{t}{T}\right) - \\
&0.0000920700 \cos\left(2\pi(827)\frac{t}{T}\right) - 0.0000175917 \sin\left(2\pi(827)\frac{t}{T}\right) - 0.0060852821 \cos\left(2\pi(828)\frac{t}{T}\right) - \\
&0.0017253814 \sin\left(2\pi(828)\frac{t}{T}\right) - 0.0000918804 \cos\left(2\pi(829)\frac{t}{T}\right) - 0.0001708941 \sin\left(2\pi(829)\frac{t}{T}\right) - \\
&0.0031932178 \cos\left(2\pi(830)\frac{t}{T}\right) + 0.0035204039 \sin\left(2\pi(830)\frac{t}{T}\right) - 0.0001656716 \cos\left(2\pi(831)\frac{t}{T}\right) - \\
&0.0001663310 \sin\left(2\pi(831)\frac{t}{T}\right) - 0.0003786325 \cos\left(2\pi(832)\frac{t}{T}\right) - 0.0005122019 \sin\left(2\pi(832)\frac{t}{T}\right) - \\
&0.0002217244 \cos\left(2\pi(833)\frac{t}{T}\right) + 0.0000034921 \sin\left(2\pi(833)\frac{t}{T}\right) - 0.0035412856 \cos\left(2\pi(834)\frac{t}{T}\right) - \\
&0.0003067511 \sin\left(2\pi(834)\frac{t}{T}\right) + 0.0000163932 \cos\left(2\pi(835)\frac{t}{T}\right) - 0.0000695689 \sin\left(2\pi(835)\frac{t}{T}\right) - \\
&0.0005660556 \cos\left(2\pi(836)\frac{t}{T}\right) + 0.0004622952 \sin\left(2\pi(836)\frac{t}{T}\right) - 0.0000680022 \cos\left(2\pi(837)\frac{t}{T}\right) - \\
&0.0002487213 \sin\left(2\pi(837)\frac{t}{T}\right) - 0.0025663612 \cos\left(2\pi(838)\frac{t}{T}\right) - 0.0027728284 \sin\left(2\pi(838)\frac{t}{T}\right) - \\
&0.0001273222 \cos\left(2\pi(839)\frac{t}{T}\right) - 0.0000481211 \sin\left(2\pi(839)\frac{t}{T}\right) - 0.0043434937 \cos\left(2\pi(840)\frac{t}{T}\right) + \\
&0.0011334195 \sin\left(2\pi(840)\frac{t}{T}\right) - 0.0000430230 \cos\left(2\pi(841)\frac{t}{T}\right) - 0.0001248251 \sin\left(2\pi(841)\frac{t}{T}\right) + \\
&0.0003497419 \cos\left(2\pi(842)\frac{t}{T}\right) + 0.0000642503 \sin\left(2\pi(842)\frac{t}{T}\right) - 0.0002273238 \cos\left(2\pi(843)\frac{t}{T}\right) - \\
&0.0002830978 \sin\left(2\pi(843)\frac{t}{T}\right) - 0.0022729130 \cos\left(2\pi(844)\frac{t}{T}\right) - 0.0030221948 \sin\left(2\pi(844)\frac{t}{T}\right) - \\
&0.0000417297 \cos\left(2\pi(845)\frac{t}{T}\right) - 0.0001714159 \sin\left(2\pi(845)\frac{t}{T}\right) - 0.0022926763 \cos\left(2\pi(846)\frac{t}{T}\right) + \\
&0.0001542391 \sin\left(2\pi(846)\frac{t}{T}\right) - 0.0000793986 \cos\left(2\pi(847)\frac{t}{T}\right) - 0.0003267225 \sin\left(2\pi(847)\frac{t}{T}\right) - \\
&0.0007099215 \cos\left(2\pi(848)\frac{t}{T}\right) - 0.0023737133 \sin\left(2\pi(848)\frac{t}{T}\right) - 0.0002474231 \cos\left(2\pi(849)\frac{t}{T}\right) - \\
&0.0000640436 \sin\left(2\pi(849)\frac{t}{T}\right) - 0.0045722811 \cos\left(2\pi(850)\frac{t}{T}\right) - 0.0015746195 \sin\left(2\pi(850)\frac{t}{T}\right) + \\
&0.0002522817 \cos\left(2\pi(851)\frac{t}{T}\right) + 0.0000084797 \sin\left(2\pi(851)\frac{t}{T}\right) - 0.0008817850 \cos\left(2\pi(852)\frac{t}{T}\right) + \\
&0.0018455437 \sin\left(2\pi(852)\frac{t}{T}\right) + 0.0000853243 \cos\left(2\pi(853)\frac{t}{T}\right) - 0.0005467417 \sin\left(2\pi(853)\frac{t}{T}\right) + \\
&0.0008204189 \cos\left(2\pi(854)\frac{t}{T}\right) - 0.0025195961 \sin\left(2\pi(854)\frac{t}{T}\right) - 0.0002582974 \cos\left(2\pi(855)\frac{t}{T}\right) - \\
&0.0002187510 \sin\left(2\pi(855)\frac{t}{T}\right) - 0.0021503863 \cos\left(2\pi(856)\frac{t}{T}\right) - 0.0024355029 \sin\left(2\pi(856)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
& 0.0001213059 \cos\left(2\pi(857)\frac{t}{T}\right) - 0.0000765157 \sin\left(2\pi(857)\frac{t}{T}\right) - 0.0007663508 \cos\left(2\pi(858)\frac{t}{T}\right) - \\
& 0.0020715502 \sin\left(2\pi(858)\frac{t}{T}\right) - 0.0001756456 \cos\left(2\pi(859)\frac{t}{T}\right) - 0.0001778627 \sin\left(2\pi(859)\frac{t}{T}\right) - \\
& 0.0035344676 \cos\left(2\pi(860)\frac{t}{T}\right) - 0.0033412789 \sin\left(2\pi(860)\frac{t}{T}\right) + 0.0002661921 \cos\left(2\pi(861)\frac{t}{T}\right) + \\
& 0.0003516105 \sin\left(2\pi(861)\frac{t}{T}\right) - 0.0030610530 \cos\left(2\pi(862)\frac{t}{T}\right) + 0.0015441370 \sin\left(2\pi(862)\frac{t}{T}\right) + \\
& 0.0005030096 \cos\left(2\pi(863)\frac{t}{T}\right) - 0.0002711928 \sin\left(2\pi(863)\frac{t}{T}\right) + 0.0023252256 \cos\left(2\pi(864)\frac{t}{T}\right) - \\
& 0.0001161444 \sin\left(2\pi(864)\frac{t}{T}\right) - 0.0002384847 \cos\left(2\pi(865)\frac{t}{T}\right) - 0.0005612740 \sin\left(2\pi(865)\frac{t}{T}\right) + \\
& 0.0000848951 \cos\left(2\pi(866)\frac{t}{T}\right) - 0.0031850826 \sin\left(2\pi(866)\frac{t}{T}\right) - 0.0003432230 \cos\left(2\pi(867)\frac{t}{T}\right) - \\
& 0.0000549308 \sin\left(2\pi(867)\frac{t}{T}\right) - 0.0004063709 \cos\left(2\pi(868)\frac{t}{T}\right) - 0.0017902437 \sin\left(2\pi(868)\frac{t}{T}\right) - \\
& 0.0003676737 \cos\left(2\pi(869)\frac{t}{T}\right) - 0.0003128940 \sin\left(2\pi(869)\frac{t}{T}\right) - 0.0010841182 \cos\left(2\pi(870)\frac{t}{T}\right) - \\
& 0.0037484728 \sin\left(2\pi(870)\frac{t}{T}\right) - 0.0004754658 \cos\left(2\pi(871)\frac{t}{T}\right) + 0.0002840680 \sin\left(2\pi(871)\frac{t}{T}\right) - \\
& 0.0040736783 \cos\left(2\pi(872)\frac{t}{T}\right) - 0.0009584358 \sin\left(2\pi(872)\frac{t}{T}\right) + 0.0004152059 \cos\left(2\pi(873)\frac{t}{T}\right) - \\
& 0.0001639799 \sin\left(2\pi(873)\frac{t}{T}\right) + 0.0002979586 \cos\left(2\pi(874)\frac{t}{T}\right) + 0.0016343750 \sin\left(2\pi(874)\frac{t}{T}\right) + \\
& 0.0004139853 \cos\left(2\pi(875)\frac{t}{T}\right) - 0.0008504345 \sin\left(2\pi(875)\frac{t}{T}\right) + 0.0014979398 \cos\left(2\pi(876)\frac{t}{T}\right) - \\
& 0.0014781857 \sin\left(2\pi(876)\frac{t}{T}\right) - 0.0001307075 \cos\left(2\pi(877)\frac{t}{T}\right) - 0.0003082801 \sin\left(2\pi(877)\frac{t}{T}\right) - \\
& 0.0001115335 \cos\left(2\pi(878)\frac{t}{T}\right) - 0.0014512992 \sin\left(2\pi(878)\frac{t}{T}\right) - 0.0000871972 \cos\left(2\pi(879)\frac{t}{T}\right) - \\
& 0.0007588357 \sin\left(2\pi(879)\frac{t}{T}\right) + 0.0011881671 \cos\left(2\pi(880)\frac{t}{T}\right) - 0.0033666389 \sin\left(2\pi(880)\frac{t}{T}\right) - \\
& 0.0002592114 \cos\left(2\pi(881)\frac{t}{T}\right) - 0.0003257852 \sin\left(2\pi(881)\frac{t}{T}\right) - 0.0031268821 \cos\left(2\pi(882)\frac{t}{T}\right) - \\
& 0.0035407385 \sin\left(2\pi(882)\frac{t}{T}\right) + 0.0002757708 \cos\left(2\pi(883)\frac{t}{T}\right) + 0.0009880996 \sin\left(2\pi(883)\frac{t}{T}\right) - \\
& 0.0029982450 \cos\left(2\pi(884)\frac{t}{T}\right) + 0.0007816804 \sin\left(2\pi(884)\frac{t}{T}\right) + 0.0004593388 \cos\left(2\pi(885)\frac{t}{T}\right) - \\
& 0.0000192866 \sin\left(2\pi(885)\frac{t}{T}\right) + 0.0018978341 \cos\left(2\pi(886)\frac{t}{T}\right) + 0.0011472454 \sin\left(2\pi(886)\frac{t}{T}\right) - \\
& 0.0002622787 \cos\left(2\pi(887)\frac{t}{T}\right) - 0.0008199120 \sin\left(2\pi(887)\frac{t}{T}\right) - 0.0003175276 \cos\left(2\pi(888)\frac{t}{T}\right) + \\
& 0.0008937220 \sin\left(2\pi(888)\frac{t}{T}\right) + 0.0000495084 \cos\left(2\pi(889)\frac{t}{T}\right) - 0.0013579560 \sin\left(2\pi(889)\frac{t}{T}\right) + \\
& 0.0009023608 \cos\left(2\pi(890)\frac{t}{T}\right) - 0.0030152444 \sin\left(2\pi(890)\frac{t}{T}\right) - 0.0003298013 \cos\left(2\pi(891)\frac{t}{T}\right) - \\
& 0.0009733471 \sin\left(2\pi(891)\frac{t}{T}\right) - 0.0006690880 \cos\left(2\pi(892)\frac{t}{T}\right) - 0.0067298544 \sin\left(2\pi(892)\frac{t}{T}\right) - \\
& 0.0000236544 \cos\left(2\pi(893)\frac{t}{T}\right) + 0.0011635505 \sin\left(2\pi(893)\frac{t}{T}\right) - 0.0049495491 \cos\left(2\pi(894)\frac{t}{T}\right) - \\
& 0.0013096884 \sin\left(2\pi(894)\frac{t}{T}\right) + 0.0009165578 \cos\left(2\pi(895)\frac{t}{T}\right) + 0.0011078500 \sin\left(2\pi(895)\frac{t}{T}\right) + \\
& 0.0001612558 \cos\left(2\pi(896)\frac{t}{T}\right) + 0.0006403547 \sin\left(2\pi(896)\frac{t}{T}\right) + 0.0003102640 \cos\left(2\pi(897)\frac{t}{T}\right) - \\
& 0.0004415946 \sin\left(2\pi(897)\frac{t}{T}\right) + 0.0043568570 \cos\left(2\pi(898)\frac{t}{T}\right) - 0.0002936367 \sin\left(2\pi(898)\frac{t}{T}\right) - \\
& 0.0004532786 \cos\left(2\pi(899)\frac{t}{T}\right) - 0.0006107796 \sin\left(2\pi(899)\frac{t}{T}\right) + 0.0018636302 \cos\left(2\pi(900)\frac{t}{T}\right) + \\
& 0.0002709238 \sin\left(2\pi(900)\frac{t}{T}\right) - 0.0007505733 \cos\left(2\pi(901)\frac{t}{T}\right) - 0.0011211592 \sin\left(2\pi(901)\frac{t}{T}\right) - \\
& 0.0008114328 \cos\left(2\pi(902)\frac{t}{T}\right) - 0.0028717583 \sin\left(2\pi(902)\frac{t}{T}\right) - 0.0002817898 \cos\left(2\pi(903)\frac{t}{T}\right) - \\
& 0.0006273808 \sin\left(2\pi(903)\frac{t}{T}\right) - 0.0041546484 \cos\left(2\pi(904)\frac{t}{T}\right) - 0.0016497831 \sin\left(2\pi(904)\frac{t}{T}\right) + \\
& 0.0015472996 \cos\left(2\pi(905)\frac{t}{T}\right) + 0.0000541078 \sin\left(2\pi(905)\frac{t}{T}\right) - 0.0007762053 \cos\left(2\pi(906)\frac{t}{T}\right) - \\
& 0.0006576353 \sin\left(2\pi(906)\frac{t}{T}\right) + 0.0006876771 \cos\left(2\pi(907)\frac{t}{T}\right) + 0.0000831631 \sin\left(2\pi(907)\frac{t}{T}\right) - \\
& 0.0026003182 \cos\left(2\pi(908)\frac{t}{T}\right) - 0.0021697223 \sin\left(2\pi(908)\frac{t}{T}\right) + 0.0009923969 \cos\left(2\pi(909)\frac{t}{T}\right) + \\
& 0.0004075738 \sin\left(2\pi(909)\frac{t}{T}\right) - 0.0007528022 \cos\left(2\pi(910)\frac{t}{T}\right) - 0.0000501266 \sin\left(2\pi(910)\frac{t}{T}\right) + \\
& 0.0012579772 \cos\left(2\pi(911)\frac{t}{T}\right) - 0.0010276805 \sin\left(2\pi(911)\frac{t}{T}\right) + 0.0051474298 \cos\left(2\pi(912)\frac{t}{T}\right) - \\
& 0.0034041246 \sin\left(2\pi(912)\frac{t}{T}\right) - 0.0006579799 \cos\left(2\pi(913)\frac{t}{T}\right) - 0.0011290989 \sin\left(2\pi(913)\frac{t}{T}\right) - \\
& 0.0004749456 \cos\left(2\pi(914)\frac{t}{T}\right) - 0.0073264995 \sin\left(2\pi(914)\frac{t}{T}\right) - 0.0001293419 \cos\left(2\pi(915)\frac{t}{T}\right) + \\
& 0.0017728752 \sin\left(2\pi(915)\frac{t}{T}\right) - 0.0036154761 \cos\left(2\pi(916)\frac{t}{T}\right) - 0.0015125219 \sin\left(2\pi(916)\frac{t}{T}\right) + \\
& 0.0014440721 \cos\left(2\pi(917)\frac{t}{T}\right) + 0.0004559746 \sin\left(2\pi(917)\frac{t}{T}\right) + 0.0029982273 \cos\left(2\pi(918)\frac{t}{T}\right) - \\
& 0.0002561391 \sin\left(2\pi(918)\frac{t}{T}\right) + 0.0006953715 \cos\left(2\pi(919)\frac{t}{T}\right) - 0.0004219300 \sin\left(2\pi(919)\frac{t}{T}\right) +
\end{aligned}$$

$$\begin{aligned}
& 0.0011983450 \cos\left(2\pi(920)\frac{t}{T}\right) - 0.0022267954 \sin\left(2\pi(920)\frac{t}{T}\right) + 0.0013078324 \cos\left(2\pi(921)\frac{t}{T}\right) + \\
& 0.0008830012 \sin\left(2\pi(921)\frac{t}{T}\right) + 0.0025751346 \cos\left(2\pi(922)\frac{t}{T}\right) + 0.0006076221 \sin\left(2\pi(922)\frac{t}{T}\right) + \\
& 0.0004832638 \cos\left(2\pi(923)\frac{t}{T}\right) - 0.0007218496 \sin\left(2\pi(923)\frac{t}{T}\right) + 0.0049586148 \cos\left(2\pi(924)\frac{t}{T}\right) - \\
& 0.0034074477 \sin\left(2\pi(924)\frac{t}{T}\right) - 0.0011602178 \cos\left(2\pi(925)\frac{t}{T}\right) + 0.0005520720 \sin\left(2\pi(925)\frac{t}{T}\right) - \\
& 0.0007482839 \cos\left(2\pi(926)\frac{t}{T}\right) - 0.0036117717 \sin\left(2\pi(926)\frac{t}{T}\right) + 0.0000948714 \cos\left(2\pi(927)\frac{t}{T}\right) + \\
& 0.0019700399 \sin\left(2\pi(927)\frac{t}{T}\right) - 0.0007994151 \cos\left(2\pi(928)\frac{t}{T}\right) + 0.0014901137 \sin\left(2\pi(928)\frac{t}{T}\right) + \\
& 0.0009801135 \cos\left(2\pi(929)\frac{t}{T}\right) + 0.0006861585 \sin\left(2\pi(929)\frac{t}{T}\right) + 0.0017559636 \cos\left(2\pi(930)\frac{t}{T}\right) + \\
& 0.0006877769 \sin\left(2\pi(930)\frac{t}{T}\right) + 0.0000946286 \cos\left(2\pi(931)\frac{t}{T}\right) + 0.0001962402 \sin\left(2\pi(931)\frac{t}{T}\right) + \\
& 0.0015622924 \cos\left(2\pi(932)\frac{t}{T}\right) + 0.0011642249 \sin\left(2\pi(932)\frac{t}{T}\right) + 0.0006997717 \cos\left(2\pi(933)\frac{t}{T}\right) - \\
& 0.0006383369 \sin\left(2\pi(933)\frac{t}{T}\right) + 0.0037808942 \cos\left(2\pi(934)\frac{t}{T}\right) - 0.0002430129 \sin\left(2\pi(934)\frac{t}{T}\right) - \\
& 0.0017998861 \cos\left(2\pi(935)\frac{t}{T}\right) - 0.0006895981 \sin\left(2\pi(935)\frac{t}{T}\right) + 0.0012258582 \cos\left(2\pi(936)\frac{t}{T}\right) - \\
& 0.0030444789 \sin\left(2\pi(936)\frac{t}{T}\right) - 0.0011597220 \cos\left(2\pi(937)\frac{t}{T}\right) + 0.0013408513 \sin\left(2\pi(937)\frac{t}{T}\right) - \\
& 0.0024132475 \cos\left(2\pi(938)\frac{t}{T}\right) - 0.0015635446 \sin\left(2\pi(938)\frac{t}{T}\right) + 0.0002700204 \cos\left(2\pi(939)\frac{t}{T}\right) + \\
& 0.0010886776 \sin\left(2\pi(939)\frac{t}{T}\right) - 0.0006563267 \cos\left(2\pi(940)\frac{t}{T}\right) + 0.0004476337 \sin\left(2\pi(940)\frac{t}{T}\right) + \\
& 0.0001721870 \cos\left(2\pi(941)\frac{t}{T}\right) + 0.0003177193 \sin\left(2\pi(941)\frac{t}{T}\right) - 0.0000365367 \cos\left(2\pi(942)\frac{t}{T}\right) + \\
& 0.0012343441 \sin\left(2\pi(942)\frac{t}{T}\right) + 0.0006626712 \cos\left(2\pi(943)\frac{t}{T}\right) + 0.0001613815 \sin\left(2\pi(943)\frac{t}{T}\right) + \\
& 0.0029698502 \cos\left(2\pi(944)\frac{t}{T}\right) + 0.0002418319 \sin\left(2\pi(944)\frac{t}{T}\right) - 0.0002661184 \cos\left(2\pi(945)\frac{t}{T}\right) - \\
& 0.0008333974 \sin\left(2\pi(945)\frac{t}{T}\right) + 0.0018907378 \cos\left(2\pi(946)\frac{t}{T}\right) - 0.0023536562 \sin\left(2\pi(946)\frac{t}{T}\right) - \\
& 0.0012981801 \cos\left(2\pi(947)\frac{t}{T}\right) - 0.0000210429 \sin\left(2\pi(947)\frac{t}{T}\right) - 0.0014102490 \cos\left(2\pi(948)\frac{t}{T}\right) - \\
& 0.0025869249 \sin\left(2\pi(948)\frac{t}{T}\right) - 0.0014768533 \cos\left(2\pi(949)\frac{t}{T}\right) + 0.0027668711 \sin\left(2\pi(949)\frac{t}{T}\right) - \\
& 0.0007286478 \cos\left(2\pi(950)\frac{t}{T}\right) - 0.0005877087 \sin\left(2\pi(950)\frac{t}{T}\right) + 0.0021468744 \cos\left(2\pi(951)\frac{t}{T}\right) + \\
& 0.0046972171 \sin\left(2\pi(951)\frac{t}{T}\right) + 0.0010181061 \cos\left(2\pi(952)\frac{t}{T}\right) - 0.0007166997 \sin\left(2\pi(952)\frac{t}{T}\right) + \\
& 0.0020065305 \cos\left(2\pi(953)\frac{t}{T}\right) + 0.0001102083 \sin\left(2\pi(953)\frac{t}{T}\right) + 0.0028157313 \cos\left(2\pi(954)\frac{t}{T}\right) + \\
& 0.0009472235 \sin\left(2\pi(954)\frac{t}{T}\right) + 0.0001224940 \cos\left(2\pi(955)\frac{t}{T}\right) + 0.0000642780 \sin\left(2\pi(955)\frac{t}{T}\right) + \\
& 0.0034747546 \cos\left(2\pi(956)\frac{t}{T}\right) - 0.0008626540 \sin\left(2\pi(956)\frac{t}{T}\right) - 0.0004344073 \cos\left(2\pi(957)\frac{t}{T}\right) - \\
& 0.0012989062 \sin\left(2\pi(957)\frac{t}{T}\right) + 0.0024731256 \cos\left(2\pi(958)\frac{t}{T}\right) - 0.0040445554 \sin\left(2\pi(958)\frac{t}{T}\right) - \\
& 0.0012515438 \cos\left(2\pi(959)\frac{t}{T}\right) + 0.0018672352 \sin\left(2\pi(959)\frac{t}{T}\right) - 0.0004696434 \cos\left(2\pi(960)\frac{t}{T}\right) - \\
& 0.0018399338 \sin\left(2\pi(960)\frac{t}{T}\right) + 0.0009537712 \cos\left(2\pi(961)\frac{t}{T}\right) + 0.0004201992 \sin\left(2\pi(961)\frac{t}{T}\right) + \\
& 0.0007630345 \cos\left(2\pi(962)\frac{t}{T}\right) - 0.0008144247 \sin\left(2\pi(962)\frac{t}{T}\right) - 0.0011112703 \cos\left(2\pi(963)\frac{t}{T}\right) + \\
& 0.0017365722 \sin\left(2\pi(963)\frac{t}{T}\right) + 0.0009580496 \cos\left(2\pi(964)\frac{t}{T}\right) + 0.0000714118 \sin\left(2\pi(964)\frac{t}{T}\right) + \\
& 0.0020215965 \cos\left(2\pi(965)\frac{t}{T}\right) + 0.0018393752 \sin\left(2\pi(965)\frac{t}{T}\right) + 0.0037448812 \cos\left(2\pi(966)\frac{t}{T}\right) - \\
& 0.0002528722 \sin\left(2\pi(966)\frac{t}{T}\right) + 0.0005814087 \cos\left(2\pi(967)\frac{t}{T}\right) - 0.0007804640 \sin\left(2\pi(967)\frac{t}{T}\right) + \\
& 0.0022075985 \cos\left(2\pi(968)\frac{t}{T}\right) - 0.0020439094 \sin\left(2\pi(968)\frac{t}{T}\right) - 0.0003635217 \cos\left(2\pi(969)\frac{t}{T}\right) + \\
& 0.0008944415 \sin\left(2\pi(969)\frac{t}{T}\right) + 0.0016684550 \cos\left(2\pi(970)\frac{t}{T}\right) - 0.0005289452 \sin\left(2\pi(970)\frac{t}{T}\right) + \\
& 0.0005530215 \cos\left(2\pi(971)\frac{t}{T}\right) + 0.0008490294 \sin\left(2\pi(971)\frac{t}{T}\right) + 0.0020594992 \cos\left(2\pi(972)\frac{t}{T}\right) - \\
& 0.0015936817 \sin\left(2\pi(972)\frac{t}{T}\right) - 0.0002413473 \cos\left(2\pi(973)\frac{t}{T}\right) + 0.0002700235 \sin\left(2\pi(973)\frac{t}{T}\right) - \\
& 0.0005399065 \cos\left(2\pi(974)\frac{t}{T}\right) - 0.0008838735 \sin\left(2\pi(974)\frac{t}{T}\right) + 0.0003031872 \cos\left(2\pi(975)\frac{t}{T}\right) + \\
& 0.0016918460 \sin\left(2\pi(975)\frac{t}{T}\right) + 0.0021462454 \cos\left(2\pi(976)\frac{t}{T}\right) + 0.0024060398 \sin\left(2\pi(976)\frac{t}{T}\right) + \\
& 0.0006038300 \cos\left(2\pi(977)\frac{t}{T}\right) - 0.0006507321 \sin\left(2\pi(977)\frac{t}{T}\right) + 0.0041155240 \cos\left(2\pi(978)\frac{t}{T}\right) - \\
& 0.0015991967 \sin\left(2\pi(978)\frac{t}{T}\right) - 0.0016544512 \cos\left(2\pi(979)\frac{t}{T}\right) + 0.0007353626 \sin\left(2\pi(979)\frac{t}{T}\right) + \\
& 0.0004641547 \cos\left(2\pi(980)\frac{t}{T}\right) - 0.0013773696 \sin\left(2\pi(980)\frac{t}{T}\right) - 0.0001878190 \cos\left(2\pi(981)\frac{t}{T}\right) + \\
& 0.0013677066 \sin\left(2\pi(981)\frac{t}{T}\right) + 0.0022180069 \cos\left(2\pi(982)\frac{t}{T}\right) + 0.0006838621 \sin\left(2\pi(982)\frac{t}{T}\right) -
\end{aligned}$$

$$\begin{aligned}
&0.0011501580 \cos\left(2\pi(983)\frac{t}{T}\right) + 0.0003359349 \sin\left(2\pi(983)\frac{t}{T}\right) + 0.0011697142 \cos\left(2\pi(984)\frac{t}{T}\right) - \\
&0.0018953487 \sin\left(2\pi(984)\frac{t}{T}\right) - 0.0011562557 \cos\left(2\pi(985)\frac{t}{T}\right) + 0.0024626681 \sin\left(2\pi(985)\frac{t}{T}\right) - \\
&0.0002664150 \cos\left(2\pi(986)\frac{t}{T}\right) + 0.0017210720 \sin\left(2\pi(986)\frac{t}{T}\right) + 0.0007915072 \cos\left(2\pi(987)\frac{t}{T}\right) + \\
&0.0005883191 \sin\left(2\pi(987)\frac{t}{T}\right) + 0.0041713469 \cos\left(2\pi(988)\frac{t}{T}\right) + 0.0013161363 \sin\left(2\pi(988)\frac{t}{T}\right) - \\
&0.0020014799 \cos\left(2\pi(989)\frac{t}{T}\right) - 0.0007673898 \sin\left(2\pi(989)\frac{t}{T}\right) + 0.0015461037 \cos\left(2\pi(990)\frac{t}{T}\right) - \\
&0.0021383447 \sin\left(2\pi(990)\frac{t}{T}\right) - 0.0019783353 \cos\left(2\pi(991)\frac{t}{T}\right) + 0.0020337385 \sin\left(2\pi(991)\frac{t}{T}\right) + \\
&0.0002752702 \cos\left(2\pi(992)\frac{t}{T}\right) + 0.0008719559 \sin\left(2\pi(992)\frac{t}{T}\right) - 0.0009162778 \cos\left(2\pi(993)\frac{t}{T}\right) + \\
&0.0006362613 \sin\left(2\pi(993)\frac{t}{T}\right) + 0.0017873241 \cos\left(2\pi(994)\frac{t}{T}\right) - 0.0006490457 \sin\left(2\pi(994)\frac{t}{T}\right) - \\
&0.0029108716 \cos\left(2\pi(995)\frac{t}{T}\right) + 0.0014549185 \sin\left(2\pi(995)\frac{t}{T}\right) - 0.0013633885 \cos\left(2\pi(996)\frac{t}{T}\right) - \\
&0.0006206012 \sin\left(2\pi(996)\frac{t}{T}\right) - 0.0008170884 \cos\left(2\pi(997)\frac{t}{T}\right) + 0.0029405480 \sin\left(2\pi(997)\frac{t}{T}\right) + \\
&0.0001638561 \cos\left(2\pi(998)\frac{t}{T}\right) + 0.0027240637 \sin\left(2\pi(998)\frac{t}{T}\right) - 0.0008736804 \cos\left(2\pi(999)\frac{t}{T}\right) + \\
&0.0003749027 \sin\left(2\pi(999)\frac{t}{T}\right) + 0.0010839483 \cos\left(2\pi(1000)\frac{t}{T}\right) - 0.0004730296 \sin\left(2\pi(1000)\frac{t}{T}\right)
\end{aligned}$$

The 1000-term approximation, derived directly from the equation presented in this paper, and the more precise 10000-term and 1000000-term approximations can be accessed through the following links:

1000-term approximation, 10000-term approximation, and 100000-term approximation