ans =

"Error here="

1.84832029264e-06+2.5104540842e-10\*x+2.32469333714e-10\*y-2.39701215612e-08\*z-4.7250378157e-08\*x\*y-1.39674841925e-07\*x^2+7.36801019502e-11\*x\*z-2.38447113547e-08\*x^2\*z-1.39673320642e-07\*y^2+1.03818202646e-09\*x\*y\*z+3.58238643264e-09\*x\*y^2\*z+3.96903415689e-09\*x^2\*y\*z-1.82177849386e-08\*x^2\*y^2\*z-1.14186862098e-07\*x^2\*y^2+7.0378940514e-09\*x^2\*y^3\*z+7.44736293554e-09\*x^3\*y^2\*z+1.31141424456e-08\*x^3\*y^3\*z-0.00829411140848\*x^2\*y^2\*z^2-0.0178707507249\*x^2\*y^3\*z^2-0.0178713427411\*x^3\*y^2\*z^2-0.046676320682\*x^3\*y^3\*z^2-0.0389912301158\*x^2\*y^4\*z^2-0.217068031323\*x^3\*y^4\*z^2-0.0389927073719\*x^4\*y^2\*z^2-0.217076534823\*x^4\*y^3\*z^2-0.199796928627\*x^4\*y^4\*z^2-1.40108154113e-07\*z^2-2.39728568455e-08\*x\*z^2-1.16152048327e-07\*x^2\*z^2-1.01889731987\*x\*y\*z^2-0.0166552040299\*x\*y^2\*z^2-0.0166547037491\*x^2\*y\*z^2-2.39558110224e-08\*y\*z^2+7.15502154053e-11\*y\*z+5.41218327099e-10\*x^3+1.22047594774e-09\*x^2\*y+1.1605645802e-09\*x\*y^2+5.54130930377e-10\*y^3-2.38323385436e-08\*y^2\*z-2.39692643589e-08\*z^3-1.39448139029e-07\*x^4-4.61691619658e-08\*x^3\*y-4.6328082863e-08\*x\*y^3-1.39469804622e-07\*y^4+1.92826910689e-10\*x^3\*z+1.08891293552e-10\*y^3\*z-1.16158682548e-07\*y^2\*z^2-4.23481887578e-11\*x\*z^3-2.3996140578e-11\*y\*z^3-1.40099536524e-07\*z^4+4.51757749265e-10\*x^5+1.3342776016e-09\*x^4\*y+1.87548651609e-09\*x^3\*y^2+1.89951182561e-09\*x^2\*y^3+1.3754595414e-09\*x\*y^4+4.76707402719e-10\*y^5-2.37700042045e-08\*x^4\*z+3.80086892428e-09\*x^3\*y\*z+3.62769521454e-09\*x\*y^3\*z-2.38725409232e-08\*y^4\*z-2.38797715421e-08\*x^3\*z^2-2.40131525428e-08\*y^3\*z^2-2.40100984259e-08\*x^2\*z^3+0.0330789346165\*x\*y\*z^3-2.39482236914e-08\*y^2\*z^3-2.39644309466e-08\*x\*z^4-2.39524350146e-08\*y\*z^4-2.39642988965e-08\*z^5-1.39943072927e-07\*x^6-4.71736415347e-08\*x^5\*y-1.14889199238e-07\*x^4\*y^2-4.62991548988e-08\*x^3\*y^3-1.1491888921e-07\*x^2\*y^4-4.7181011961e-08\*x\*y^5-1.39946458468e-07\*y^6+7.06061689298e-11\*x^5\*z+3.20147704007e-09\*x^4\*y\*z+2.97174246322e-09\*x\*y^4\*z+1.0170879994e-10\*y^5\*z-1.16150423859e-07\*x^4\*z^2-0.0271488410175\*x^3\*y\*z^2-0.0271499816389\*x\*y^3\*z^2-1.16118488335e-07\*y^4\*z^2+1.620294407e-13\*x^3\*z^3+0.0327513285933\*x^2\*y\*z^3+0.0327513032703\*x\*y^2\*z^3-5.1635292069e-13\*y^3\*z^3-1.16169415919e-07\*x^2\*z^4-0.0207016892592\*x\*y\*z^4-1.1616374578e-07\*y^2\*z^4-8.17636084367e-13\*x\*z^5-1.94009132947e-12\*y\*z^5-1.40145685492e-07\*z^6-1.5657027193e-08\*x^4\*y^2\*z-1.64441869905e-08\*x^2\*y^4\*z+0.0425377521393\*x^2\*y^2\*z^3-0.0216496903804\*x^4\*y\*z^2+2.49961351953e-09\*x^5\*y\*z+0.0345617296229\*x^3\*y\*z^3-0.0190808167703\*x^2\*y\*z^4-2.39551111745e-08\*x^4\*z^3+0.0231120324106\*x^3\*y^2\*z^3+0.0230531453323\*x^4\*y\*z^3-2.39521634697e-08\*x^6\*z-2.39614534561e-08\*x^5\*z^2-2.3935891293e-08\*x^3\*z^4-2.39612921511e-08\*x^2\*z^5-0.0594713148817\*x^5\*y\*z^2-0.0187805460015\*x^3\*y\*z^4-0.0216484312993\*x\*y^4\*z^2+2.76853190955e-09\*x\*y^5\*z+0.0345610311767\*x\*y^3\*z^3+0.0231103116666\*x^2\*y^3\*z^3-0.019082132764\*x\*y^2\*z^4+0.00179664397091\*x\*y\*z^5-0.0117264210623\*x^2\*y^2\*z^4+7.02013125235e-09\*x^3\*y^4\*z+0.0145713306553\*x^2\*y^4\*z^3+0.0171837860674\*x^3\*y^3\*z^3+4.72671654286e-09\*x^5\*y^2\*z+7.28937133744e-09\*x^4\*y^3\*z+4.8639090336e-09\*x^2\*y^5\*z+6.84433995508e-10\*x\*y^6\*z-0.0594705438694\*x\*y^5\*z^2+0.023050262786\*x\*y^4\*z^3-0.0187778658724\*x\*y^3\*z^4+0.00457728075765\*x\*y^2\*z^5-0.0536578772772\*x^2\*y^5\*z^2-0.00524602402303\*x^2\*y^3\*z^4+0.0145702004137\*x^4\*y^2\*z^3+5.83797126388e-10\*x^6\*y\*z+0.00457782797826\*x^2\*y\*z^5-0.0536587395909\*x^5\*y^2\*z^2-0.00524629743685\*x^3\*y^2\*z^4+1.39494821727e-09\*x^4\*y^4\*z+0.0144336896517\*x^3\*y^4\*z^3+0.0144332502229\*x^4\*y^3\*z^3+5.44414266597e-10\*x^6\*y^2\*z+1.10842098043e-09\*x^5\*y^3\*z+1.08965178417e-09\*x^3\*y^5\*z+6.47093304829e-10\*x^2\*y^6\*z+0.00516032275538\*x^2\*y^2\*z^5-0.149820367102\*x^5\*y^3\*z^2-0.149812616109\*x^3\*y^5\*z^2-0.026616527339\*x^3\*y^3\*z^4-6.7842924556e-08\*x^4\*y^4+8.32469232437e-10\*x^5\*y^2+1.26169941161e-09\*x^4\*y^3+1.2589624343e-09\*x^3\*y^4+8.08189973278e-10\*x^2\*y^5-6.80200645277e-08\*x^6\*y^2-4.7618257587e-08\*x^5\*y^3-4.76460666476e-08\*x^3\*y^5-6.80024944286e-08\*x^2\*y^6-2.39115224791e-08\*x\*z^6-6.8209627581e-08\*x^4\*z^4-7.79434209011e-06\*x^4\*y\*z^4-6.82006319e-08\*x^6\*z^2-6.14735298637e-12\*x^5\*z^3-9.84875042761e-13\*x^3\*z^5-6.8202570682e-08\*x^2\*z^6+2.9097078468e-06\*x^5\*y\*z^3+2.77550224937e-06\*x^3\*y\*z^5-0.0273667015244\*x\*y\*z^6-5.55137887867e-05\*x^2\*y^4\*z^4-9.98231471357e-06\*x\*y^6\*z^2+2.91003683438e-06\*x\*y^5\*z^3-7.79444966606e-06\*x\*y^4\*z^4+2.77602009969e-06\*x\*y^3\*z^5-3.22515007263e-06\*x\*y^2\*z^6+3.55588388077e-06\*x^2\*y^5\*z^3+4.06670383394e-06\*x^2\*y^3\*z^5-5.55138519919e-05\*x^4\*y^2\*z^4-9.98280944533e-06\*x^6\*y\*z^2-3.22524575027e-06\*x^2\*y\*z^6+3.55574933915e-06\*x^5\*y^2\*z^3+4.06638515096e-06\*x^3\*y^2\*z^5-2.39333935351e-08\*y^5\*z^2-2.39494369292e-08\*y^4\*z^3-2.39321590642e-08\*y^3\*z^4-2.39626383574e-08\*y^2\*z^5-2.39112188747e-08\*y\*z^6+2.32920433897e-10\*x^7+5.11526060984e-10\*x^6\*y+4.79994597353e-10\*x\*y^6+2.27925542239e-10\*y^7-2.39471815814e-08\*y^6\*z-2.39643834118e-08\*z^7-9.21233747064e-08\*x^8-4.79416814055e-08\*x^7\*y+1.3254036757e-11\*x^7\*z-4.79360544317e-08\*x\*y^7-9.2122240225e-08\*y^8-4.39102226801e-12\*y^7\*z-6.82116616302e-08\*y^6\*z^2-5.80631733525e-12\*y^5\*z^3-6.82041959448e-08\*y^4\*z^4-1.89499877036e-12\*y^3\*z^5-6.8202378353e-08\*y^2\*z^6-3.41450675175e-13\*x\*z^7-3.67641400619e-13\*y\*z^7-9.21449635389e-08\*z^8+1.93344164895e-06\*x\*y\*z^7-6.03961301941e-05\*x^6\*y^2\*z^2-6.0390597881e-05\*x^2\*y^6\*z^2-2.14214015533e-05\*x^2\*y^2\*z^6-2.38626687536e-08\*x^7\*z^2+4.84165073822e-12\*x^6\*z^3-2.39220603764e-08\*x^5\*z^4+2.90392696142e-12\*x^4\*z^5-2.39377997465e-08\*x^3\*z^6+2.06339396822e-12\*x^2\*z^7-2.39602270881e-08\*x\*z^8+2.38626687536e-08\*x^7\*y\*z^2+2.38635407565e-08\*x\*y^7\*z^2-4.84165073822e-12\*x^6\*y\*z^3-4.82650378614e-12\*x\*y^6\*z^3+2.39220603764e-08\*x^5\*y\*z^4+2.39235435237e-08\*x\*y^5\*z^4-2.90392696142e-12\*x^4\*y\*z^5-2.86535257386e-12\*x\*y^4\*z^5+2.39377997465e-08\*x^3\*y\*z^6+2.3938219956e-08\*x\*y^3\*z^6-2.06339396822e-12\*x^2\*y\*z^7-2.06974966536e-12\*x\*y^2\*z^7+2.39602270881e-08\*x\*y\*z^8-2.38635407565e-08\*y^7\*z^2+4.82650378614e-12\*y^6\*z^3-2.39235435237e-08\*y^5\*z^4+2.86535257386e-12\*y^4\*z^5-2.3938219956e-08\*y^3\*z^6+2.06974966536e-12\*y^2\*z^7-2.39602270881e-08\*y\*z^8

ans =

" 1. v,Q , v^T Q v ="

ans =

41×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

'z^4'

'y\*z^3'

'y^2\*z^2'

'y^3\*z'

'y^4'

'x\*z^3'

'x\*y\*z^2'

'x\*y^2\*z'

'x\*y^3'

'x^2\*z^2'

'x^2\*y\*z'

'x^2\*y^2'

'x^3\*z'

'x^3\*y'

'x^4'

'x\*y\*z^3'

'x\*y^2\*z^2'

'x\*y^3\*z'

'x^2\*y\*z^2'

'x^2\*y^2\*z'

'x^3\*y\*z'

ans =

Columns 1 through 18

0.9532 0.7928 -0.1781 -0.1781 -0.5144 -0.2398 -0.2787 -0.2398 -0.7433 -0.2787 0.0850 -0.0764 -0.3189 0.0732 -0.0764 -12.6388 0.1742 -0.3189

0.7928 2.9139 -0.1370 -0.1370 0.6212 -0.0692 -0.4593 -0.0692 -1.2882 -0.4593 -0.0095 -0.0368 -2.3661 0.0756 -0.0368 -19.5479 0.6258 -2.3661

-0.1781 -0.1370 0.9224 -0.2437 0.0975 0.7799 -0.0849 -1.1114 -0.0241 -0.1356 -0.0092 -0.2180 -0.0141 -0.5158 -0.5853 2.8579 -0.3686 0.0312

-0.1781 -0.1370 -0.2437 0.9224 0.0975 -1.1114 -0.1356 0.7799 -0.0241 -0.0849 -0.0092 -0.5853 0.0312 0.5638 -0.2180 2.8579 -0.3821 -0.0141

-0.5144 0.6212 0.0975 0.0975 0.9051 0.1139 0.1777 0.1139 -0.0674 0.1776 -0.0319 0.0106 -0.6227 -0.0161 0.0106 1.0411 0.0781 -0.6227

-0.2398 -0.0692 0.7799 -1.1114 0.1139 4.6778 -0.2206 -3.4130 0.5238 -0.2134 0.1128 0.9253 -0.8109 -1.0902 -0.1277 6.9715 0.6932 -1.0475

-0.2787 -0.4593 -0.0849 -0.1356 0.1777 -0.2206 0.9706 -0.2134 -0.1566 0.4486 -0.0945 0.1156 1.1856 0.0298 0.1456 -0.6181 -0.1344 1.1799

-0.2398 -0.0692 -1.1114 0.7799 0.1139 -3.4130 -0.2134 4.6778 0.5238 -0.2206 0.1128 -0.1277 -1.0476 0.9239 0.9253 6.9714 0.2271 -0.8109

-0.7433 -1.2882 -0.0241 -0.0241 -0.0674 0.5238 -0.1566 0.5238 1.6310 -0.1566 -0.0812 0.3399 0.3566 -0.0949 0.3399 15.8938 0.0195 0.3566

-0.2787 -0.4593 -0.1356 -0.0849 0.1776 -0.2134 0.4486 -0.2206 -0.1566 0.9706 -0.0945 0.1456 1.1799 -0.0406 0.1157 -0.6181 -0.1770 1.1856

0.0850 -0.0095 -0.0092 -0.0092 -0.0319 0.1128 -0.0945 0.1128 -0.0812 -0.0945 0.1899 -0.0141 -0.2994 0.0010 -0.0141 0.2231 0.0618 -0.2994

-0.0764 -0.0368 -0.2180 -0.5853 0.0106 0.9253 0.1156 -0.1277 0.3399 0.1456 -0.0141 0.9504 -0.2040 -0.4463 0.4222 1.8144 0.6894 -0.1614

-0.3189 -2.3661 -0.0141 0.0312 -0.6227 -0.8109 1.1856 -1.0476 0.3566 1.1799 -0.2994 -0.2040 4.2463 0.1109 -0.1614 1.7103 -1.0009 4.1045

0.0732 0.0756 -0.5158 0.5638 -0.0161 -1.0902 0.0298 0.9239 -0.0949 -0.0406 0.0010 -0.4463 0.1109 0.7717 0.2171 -1.6800 -0.1137 0.0134

-0.0764 -0.0368 -0.5853 -0.2180 0.0106 -0.1277 0.1456 0.9253 0.3399 0.1157 -0.0141 0.4222 -0.1614 0.2171 0.9504 1.8144 0.4604 -0.2040

-12.6388 -19.5479 2.8579 2.8579 1.0411 6.9715 -0.6181 6.9714 15.8938 -0.6181 0.2231 1.8144 1.7103 -1.6800 1.8144 267.5138 -1.6583 1.7103

0.1742 0.6258 -0.3686 -0.3821 0.0781 0.6932 -0.1344 0.2271 0.0195 -0.1770 0.0618 0.6894 -1.0009 -0.1137 0.4604 -1.6583 1.0693 -1.0372

-0.3189 -2.3661 0.0312 -0.0141 -0.6227 -1.0475 1.1799 -0.8109 0.3566 1.1856 -0.2994 -0.1614 4.1045 0.0134 -0.2040 1.7103 -1.0372 4.2462

0.1742 0.6258 -0.3821 -0.3686 0.0781 0.2271 -0.1770 0.6932 0.0195 -0.1344 0.0618 0.4604 -1.0372 -0.0938 0.6894 -1.6583 0.4470 -1.0009

0.0732 0.0756 0.5639 -0.5158 -0.0161 0.9239 -0.0406 -1.0902 -0.0949 0.0298 0.0010 0.2171 0.0134 -0.6402 -0.4463 -1.6800 -0.0938 0.1109

-0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0001 0.0000 -0.0000

-0.0728 -0.1139 0.1244 -0.0591 0.0130 0.1898 0.0905 -0.3729 0.0338 0.0856 -0.0827 0.0002 0.2797 -0.0939 -0.0199 0.5393 -0.0903 0.2572

0.0895 -0.3266 0.1511 0.1129 -0.2892 0.0382 -0.0081 -0.3416 0.0244 -0.1729 -0.0003 -0.3784 0.3931 0.2234 -0.1434 0.6762 -0.3195 0.2887

0.1417 0.4989 -0.4048 0.4964 0.0736 -1.6933 -0.2406 1.8823 -0.1636 -0.3106 0.0885 -0.3174 -0.8109 0.5380 0.1608 -1.5506 0.0479 -0.7536

0.0851 0.3040 -0.0541 -0.1579 0.0347 0.1538 -0.3347 0.1304 0.0784 0.0368 0.0140 0.3059 -0.4737 -0.2717 0.0312 -1.0268 0.2497 -0.3880

-0.0728 -0.1139 -0.0591 0.1244 0.0130 -0.3729 0.0856 0.1898 0.0338 0.0905 -0.0827 -0.0199 0.2572 0.0690 0.0003 0.5393 -0.0581 0.2797

-0.3297 -0.6137 0.1448 0.1448 0.1117 -0.2229 0.3544 -0.2229 0.0313 0.3544 0.0148 -0.2735 0.9389 0.0562 -0.2735 2.2700 -0.4168 0.9389

12.1377 17.5262 -2.0598 -3.3670 -1.3002 -5.1292 1.8301 -10.3724 -15.7185 1.5499 -0.3770 -1.8029 1.7794 1.2301 -2.3652 -263.6933 0.8328 1.4711

-0.0283 0.1971 0.5153 -0.2372 0.1362 0.8854 -0.0741 -1.0318 -0.2763 0.0668 0.0157 -0.0579 -0.2211 -0.3872 -0.2988 -0.3814 -0.3236 -0.2349

0.0895 -0.3266 0.1129 0.1511 -0.2892 -0.3416 -0.1729 0.0382 0.0244 -0.0081 -0.0003 -0.1434 0.2887 -0.1061 -0.3784 0.6762 -0.2421 0.3931

12.1377 17.5262 -3.3670 -2.0598 -1.3002 -10.3724 1.5499 -5.1292 -15.7185 1.8301 -0.3770 -2.3652 1.4711 2.2527 -1.8029 -263.6933 0.5326 1.7794

0.0953 -0.7165 0.3803 0.3803 -0.4340 -0.4104 -0.1359 -0.4104 0.0202 -0.1359 0.0187 -0.6223 0.8109 0.0920 -0.6223 1.7577 -0.7025 0.8109

0.1417 0.4989 0.4964 -0.4048 0.0736 1.8823 -0.3106 -1.6933 -0.1636 -0.2406 0.0885 0.1608 -0.7536 -0.5187 -0.3174 -1.5506 0.1850 -0.8109

-0.0283 0.1971 -0.2372 0.5153 0.1362 -1.0318 0.0668 0.8854 -0.2763 -0.0741 0.0157 -0.2988 -0.2349 0.4308 -0.0579 -0.3814 0.0839 -0.2211

0.0851 0.3040 -0.1579 -0.0541 0.0347 0.1304 0.0368 0.1538 0.0784 -0.3347 0.0140 0.0312 -0.3880 0.1965 0.3059 -1.0268 0.2523 -0.4737

-0.0009 -0.0013 0.0002 0.0002 0.0001 0.0008 -0.0002 0.0008 0.0013 -0.0002 0.0000 0.0003 -0.0005 -0.0002 0.0003 0.0220 0.0001 -0.0005

0.0001 0.0004 0.0003 -0.0003 0.0002 0.0004 0.0003 -0.0009 -0.0004 0.0001 -0.0000 -0.0000 0.0002 -0.0002 -0.0002 -0.0053 -0.0002 0.0001

-0.0033 -0.0031 0.0009 0.0005 0.0009 0.0043 -0.0014 0.0021 0.0044 -0.0016 0.0003 0.0010 -0.0041 -0.0007 0.0009 0.0769 0.0009 -0.0043

0.0001 0.0004 -0.0003 0.0003 0.0002 -0.0009 0.0001 0.0004 -0.0004 0.0003 -0.0000 -0.0002 0.0001 0.0003 -0.0000 -0.0053 0.0000 0.0002

-11.2288 -13.8107 2.6244 2.6245 1.9597 8.6566 -3.2685 8.6566 14.7136 -3.2685 0.6938 2.2412 -7.0187 -1.7697 2.2412 252.1650 0.6712 -7.0187

-0.0033 -0.0031 0.0005 0.0009 0.0009 0.0021 -0.0016 0.0043 0.0044 -0.0014 0.0003 0.0009 -0.0043 -0.0005 0.0010 0.0769 0.0008 -0.0041

Columns 19 through 36

0.1742 0.0732 -0.0000 -0.0728 0.0895 0.1417 0.0851 -0.0728 -0.3297 12.1377 -0.0283 0.0895 12.1377 0.0953 0.1417 -0.0283 0.0851 -0.0009

0.6258 0.0756 -0.0000 -0.1139 -0.3266 0.4989 0.3040 -0.1139 -0.6137 17.5262 0.1971 -0.3266 17.5262 -0.7165 0.4989 0.1971 0.3040 -0.0013

-0.3821 0.5639 0.0000 0.1244 0.1511 -0.4048 -0.0541 -0.0591 0.1448 -2.0598 0.5153 0.1129 -3.3670 0.3803 0.4964 -0.2372 -0.1579 0.0002

-0.3686 -0.5158 0.0000 -0.0591 0.1129 0.4964 -0.1579 0.1244 0.1448 -3.3670 -0.2372 0.1511 -2.0598 0.3803 -0.4048 0.5153 -0.0541 0.0002

0.0781 -0.0161 0.0000 0.0130 -0.2892 0.0736 0.0347 0.0130 0.1117 -1.3002 0.1362 -0.2892 -1.3002 -0.4340 0.0736 0.1362 0.0347 0.0001

0.2271 0.9239 0.0000 0.1898 0.0382 -1.6933 0.1538 -0.3729 -0.2229 -5.1292 0.8854 -0.3416 -10.3724 -0.4104 1.8823 -1.0318 0.1304 0.0008

-0.1770 -0.0406 -0.0000 0.0905 -0.0081 -0.2406 -0.3347 0.0856 0.3544 1.8301 -0.0741 -0.1729 1.5499 -0.1359 -0.3106 0.0668 0.0368 -0.0002

0.6932 -1.0902 0.0000 -0.3729 -0.3416 1.8823 0.1304 0.1898 -0.2229 -10.3724 -1.0318 0.0382 -5.1292 -0.4104 -1.6933 0.8854 0.1538 0.0008

0.0195 -0.0949 0.0000 0.0338 0.0244 -0.1636 0.0784 0.0338 0.0313 -15.7185 -0.2763 0.0244 -15.7185 0.0202 -0.1636 -0.2763 0.0784 0.0013

-0.1344 0.0298 -0.0000 0.0856 -0.1729 -0.3106 0.0368 0.0905 0.3544 1.5499 0.0668 -0.0081 1.8301 -0.1359 -0.2406 -0.0741 -0.3347 -0.0002

0.0618 0.0010 0.0000 -0.0827 -0.0003 0.0885 0.0140 -0.0827 0.0148 -0.3770 0.0157 -0.0003 -0.3770 0.0187 0.0885 0.0157 0.0140 0.0000

0.4604 0.2171 0.0000 0.0002 -0.3784 -0.3174 0.3059 -0.0199 -0.2735 -1.8029 -0.0579 -0.1434 -2.3652 -0.6223 0.1608 -0.2988 0.0312 0.0003

-1.0372 0.0134 -0.0000 0.2797 0.3931 -0.8109 -0.4737 0.2572 0.9389 1.7794 -0.2211 0.2887 1.4711 0.8109 -0.7536 -0.2349 -0.3880 -0.0005

-0.0938 -0.6402 -0.0000 -0.0939 0.2234 0.5380 -0.2717 0.0690 0.0562 1.2301 -0.3872 -0.1061 2.2527 0.0920 -0.5187 0.4308 0.1965 -0.0002

0.6894 -0.4463 0.0000 -0.0199 -0.1434 0.1608 0.0312 0.0003 -0.2735 -2.3652 -0.2988 -0.3784 -1.8029 -0.6223 -0.3174 -0.0579 0.3059 0.0003

-1.6583 -1.6800 0.0001 0.5393 0.6762 -1.5506 -1.0268 0.5393 2.2700 -263.6933 -0.3814 0.6762 -263.6933 1.7577 -1.5506 -0.3814 -1.0268 0.0220

0.4470 -0.0938 0.0000 -0.0903 -0.3195 0.0479 0.2497 -0.0581 -0.4168 0.8328 -0.3236 -0.2421 0.5326 -0.7025 0.1850 0.0839 0.2523 0.0001

-1.0009 0.1109 -0.0000 0.2572 0.2887 -0.7536 -0.3880 0.2797 0.9389 1.4711 -0.2349 0.3931 1.7794 0.8109 -0.8109 -0.2211 -0.4737 -0.0005

1.0693 -0.1137 0.0000 -0.0581 -0.2421 0.1850 0.2523 -0.0903 -0.4168 0.5326 0.0839 -0.3195 0.8328 -0.7025 0.0479 -0.3236 0.2497 0.0001

-0.1137 0.7717 -0.0000 0.0690 -0.1061 -0.5187 0.1965 -0.0939 0.0562 2.2527 0.4308 0.2234 1.2301 0.0920 0.5380 -0.3872 -0.2717 -0.0002

0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0002 0.0000 -0.0000 -0.0002 -0.0000 0.0000 0.0000 0.0000 0.0000

-0.0581 0.0690 -0.0000 0.1452 0.0008 -0.2597 -0.0323 0.0316 0.0061 -0.1849 0.0853 -0.0042 -0.4921 0.0379 0.0872 -0.0876 -0.0323 -0.0000

-0.2421 -0.1061 -0.0000 0.0008 0.5442 0.0320 -0.3330 -0.0042 0.1158 0.0360 0.1196 -0.0691 -0.8344 0.3887 -0.0571 -0.0659 0.1379 -0.0000

0.1850 -0.5187 0.0000 -0.2597 0.0320 1.1838 -0.0166 0.0872 -0.1020 0.0892 -0.3771 -0.0571 1.8060 -0.0470 -0.7615 0.5014 0.1686 -0.0000

0.2523 0.1965 0.0000 -0.0323 -0.3330 -0.0166 0.4141 -0.0323 -0.1536 0.3606 -0.0028 0.1379 0.8391 -0.2308 0.1686 -0.1186 -0.1421 0.0000

-0.0903 -0.0939 -0.0000 0.0316 -0.0042 0.0872 -0.0323 0.1452 0.0061 -0.4921 -0.0876 0.0008 -0.1849 0.0379 -0.2597 0.0853 -0.0323 -0.0000

-0.4168 0.0562 0.0000 0.0061 0.1158 -0.1020 -0.1536 0.0061 0.7314 -1.3064 0.0194 0.1158 -1.3064 0.2895 -0.1020 0.0194 -0.1536 -0.0000

0.5326 2.2527 -0.0002 -0.1849 0.0360 0.0892 0.3606 -0.4921 -1.3064 265.2998 0.9540 -0.8344 260.4580 -1.0423 1.8059 -0.3314 0.8391 -0.0224

0.0839 0.4308 0.0000 0.0853 0.1196 -0.3771 -0.0028 -0.0876 0.0194 0.9540 0.7212 -0.0659 -0.3314 0.0418 0.5014 -0.4116 -0.1186 -0.0000

-0.3195 0.2234 -0.0000 -0.0042 -0.0691 -0.0571 0.1379 0.0008 0.1158 -0.8344 -0.0659 0.5442 0.0360 0.3887 0.0320 0.1196 -0.3330 -0.0000

0.8328 1.2301 -0.0002 -0.4921 -0.8344 1.8060 0.8391 -0.1849 -1.3064 260.4580 -0.3314 0.0360 265.2998 -1.0423 0.0892 0.9540 0.3606 -0.0224

-0.7025 0.0920 -0.0000 0.0379 0.3887 -0.0470 -0.2308 0.0379 0.2895 -1.0423 0.0418 0.3887 -1.0423 0.9941 -0.0470 0.0418 -0.2308 -0.0001

0.0479 0.5380 0.0000 0.0872 -0.0571 -0.7615 0.1686 -0.2597 -0.1020 1.8059 0.5014 0.0320 0.0892 -0.0470 1.1838 -0.3771 -0.0166 -0.0000

-0.3236 -0.3872 0.0000 -0.0876 -0.0659 0.5014 -0.1186 0.0853 0.0194 -0.3314 -0.4116 0.1196 0.9540 0.0418 -0.3771 0.7212 -0.0028 -0.0000

0.2497 -0.2717 0.0000 -0.0323 0.1379 0.1686 -0.1421 -0.0323 -0.1536 0.8391 -0.1186 -0.3330 0.3606 -0.2308 -0.0166 -0.0028 0.4141 0.0000

0.0001 -0.0002 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0224 -0.0000 -0.0000 -0.0224 -0.0001 -0.0000 -0.0000 0.0000 0.0000

0.0000 0.0003 -0.0000 0.0000 0.0001 -0.0001 -0.0001 -0.0000 0.0001 0.0062 0.0004 -0.0002 0.0048 -0.0001 0.0002 -0.0003 0.0001 -0.0000

0.0008 -0.0005 0.0000 -0.0001 0.0001 0.0001 0.0000 -0.0002 -0.0005 -0.0786 0.0003 -0.0006 -0.0810 -0.0006 0.0006 -0.0001 0.0005 -0.0000

-0.0002 -0.0002 -0.0000 -0.0000 -0.0002 0.0002 0.0001 0.0000 0.0001 0.0048 -0.0003 0.0001 0.0062 -0.0001 -0.0001 0.0004 -0.0001 -0.0000

0.6712 -1.7697 0.0002 0.0133 -0.0151 0.0896 -0.0003 0.0133 -0.0199 -255.8140 0.0001 -0.0151 -255.8139 0.0003 0.0896 0.0001 -0.0003 0.0223

0.0009 -0.0007 0.0000 -0.0002 -0.0006 0.0006 0.0005 -0.0001 -0.0006 -0.0810 -0.0001 0.0001 -0.0786 -0.0006 0.0001 0.0003 0.0000 -0.0000

Columns 37 through 41

0.0001 -0.0033 0.0001 -11.2288 -0.0033

0.0004 -0.0031 0.0004 -13.8107 -0.0031

0.0003 0.0009 -0.0003 2.6244 0.0005

-0.0003 0.0005 0.0003 2.6245 0.0009

0.0002 0.0009 0.0002 1.9597 0.0009

0.0004 0.0043 -0.0009 8.6566 0.0021

0.0003 -0.0014 0.0001 -3.2685 -0.0016

-0.0009 0.0021 0.0004 8.6566 0.0043

-0.0004 0.0044 -0.0004 14.7136 0.0044

0.0001 -0.0016 0.0003 -3.2685 -0.0014

-0.0000 0.0003 -0.0000 0.6938 0.0003

-0.0000 0.0010 -0.0002 2.2412 0.0009

0.0002 -0.0041 0.0001 -7.0187 -0.0043

-0.0002 -0.0007 0.0003 -1.7697 -0.0005

-0.0002 0.0009 -0.0000 2.2412 0.0010

-0.0053 0.0769 -0.0053 252.1650 0.0769

-0.0002 0.0009 0.0000 0.6712 0.0008

0.0001 -0.0043 0.0002 -7.0187 -0.0041

0.0000 0.0008 -0.0002 0.6712 0.0009

0.0003 -0.0005 -0.0002 -1.7697 -0.0007

-0.0000 0.0000 -0.0000 0.0002 0.0000

0.0000 -0.0001 -0.0000 0.0133 -0.0002

0.0001 0.0001 -0.0002 -0.0151 -0.0006

-0.0001 0.0001 0.0002 0.0896 0.0006

-0.0001 0.0000 0.0001 -0.0003 0.0005

-0.0000 -0.0002 0.0000 0.0133 -0.0001

0.0001 -0.0005 0.0001 -0.0199 -0.0006

0.0062 -0.0786 0.0048 -255.8140 -0.0810

0.0004 0.0003 -0.0003 0.0001 -0.0001

-0.0002 -0.0006 0.0001 -0.0151 0.0001

0.0048 -0.0810 0.0062 -255.8139 -0.0786

-0.0001 -0.0006 -0.0001 0.0003 -0.0006

0.0002 0.0006 -0.0001 0.0896 0.0001

-0.0003 -0.0001 0.0004 0.0001 0.0003

0.0001 0.0005 -0.0001 -0.0003 0.0000

-0.0000 -0.0000 -0.0000 0.0223 -0.0000

0.0001 -0.0000 0.0000 -0.0056 -0.0000

-0.0000 0.0001 -0.0000 0.0825 0.0000

0.0000 -0.0000 0.0001 -0.0056 -0.0000

-0.0056 0.0825 -0.0056 256.1850 0.0825

-0.0000 0.0000 -0.0000 0.0825 0.0001

ans =

1.0e+03 \*

0.0000

0.0000

0.0000

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0.0002

0.0002

0.0002

0.0003

0.0006

0.0007

0.0008

0.0010

0.0014

0.0023

0.0028

0.0043

0.0151

0.0223

1.0428

0.95320731999-0.356140391309\*x-0.356140846823\*y+1.58569291535\*z-1.97397433277\*x\*y+0.365093729959\*x^2-0.753730496575\*x\*z+0.00342368536159\*x^2\*z+0.365091336984\*y^2-32.2997152392\*x\*y\*z+31.9259555384\*x\*y^2\*z+31.9259591879\*x^2\*y\*z+0.0570216134082\*x^2\*y^2\*z+1.19050130309\*x^2\*y^2-31.9569853683\*x^2\*y^3\*z-31.9569822692\*x^3\*y^2\*z+32.0519930429\*x^3\*y^3\*z+206.954967039\*x^2\*y^2\*z^2-512.006706441\*x^2\*y^3\*z^2-512.006697361\*x^3\*y^2\*z^2+1024.02191812\*x^3\*y^3\*z^2+256.120249802\*x^2\*y^4\*z^2-511.789351491\*x^3\*y^4\*z^2+256.120247291\*x^4\*y^2\*z^2-511.789342512\*x^4\*y^3\*z^2+256.185059209\*x^4\*y^4\*z^2+1.88503847669\*z^2-0.0960335398344\*x\*z^2+0.0440101448254\*x^2\*z^2-49.0574017853\*x\*y\*z^2+48.5429726699\*x\*y^2\*z^2+48.542971505\*x^2\*y\*z^2-0.0960355296951\*y\*z^2-0.753723132912\*y\*z-0.0234016302777\*x^3+0.0290419180593\*x^2\*y+0.0290397894931\*x\*y^2-0.0234012026267\*y^3+0.00342175597217\*y^2\*z+1.41236850297\*z^3+0.109220500312\*x^4+0.0205530756772\*x^3\*y+0.020549644275\*x\*y^3+0.109220705088\*y^4-0.0348014498375\*x^3\*z-0.0347983645118\*y^3\*z+0.0440102540925\*y^2\*z^2-0.0100969039348\*x\*z^3-0.0100936226774\*y\*z^3+0.886107641612\*z^4-0.0486322396562\*x^5+0.256080099288\*x^4\*y-0.109956845515\*x^3\*y^2-0.109942634763\*x^2\*y^3+0.256079239877\*x\*y^4-0.048631549219\*y^5-0.0107207211854\*x^4\*z-0.0278943062228\*x^3\*y\*z-0.0278828548378\*x\*y^3\*z-0.0107187480972\*y^4\*z-0.122756048466\*x^3\*z^2-0.122752731451\*y^3\*z^2+0.0117742855588\*x^2\*z^3-0.0567308126734\*x\*y\*z^3+0.011768904289\*y^2\*z^3+0.0188395708894\*x\*z^4+0.0188348968513\*y\*z^4-0.0637692657196\*z^5+0.10221312091\*x^6-0.218818774525\*x^5\*y+0.131015425604\*x^4\*y^2-0.0789741165849\*x^3\*y^3+0.131011270558\*x^2\*y^4-0.218811403401\*x\*y^5+0.102222444942\*y^6+0.0482184660098\*x^5\*z+0.00484806747317\*x^4\*y\*z+0.00484797284162\*x\*y^4\*z+0.0482155800259\*y^5\*z+0.0200704449704\*x^4\*z^2-0.235975655005\*x^3\*y\*z^2-0.235957888945\*x\*y^3\*z^2+0.0200718677895\*y^4\*z^2-0.0013162803019\*x^3\*z^3-0.0598707521484\*x^2\*y\*z^3-0.0598809584398\*x\*y^2\*z^3-0.00131720696245\*y^3\*z^3+0.152870727891\*x^2\*z^4+0.0198945163618\*x\*y\*z^4+0.15287088818\*y^2\*z^4-0.00223448542142\*x\*z^5-0.00223158813434\*y\*z^5+0.189908208521\*z^6+0.0957610673103\*x^4\*y^2\*z+0.0957670577455\*x^2\*y^4\*z-0.0425917903108\*x^2\*y^2\*z^3-0.113387308458\*x^4\*y\*z^2+0.0575412777365\*x^5\*y\*z-0.0629416772544\*x^3\*y\*z^3+0.00703940172642\*x^2\*y\*z^4-0.00841069041222\*x^4\*z^3-0.0211875319758\*x^3\*y^2\*z^3-0.0238114676529\*x^4\*y\*z^3+0.12861242012\*x^6\*z-0.563292790593\*x^5\*z^2-0.0205769426909\*x^3\*z^4-5.98385805633e-05\*x^2\*z^5+0.101911250117\*x^5\*y\*z^2+0.0357362259646\*x^3\*y\*z^4-0.113388922245\*x\*y^4\*z^2+0.0575368039669\*x\*y^5\*z-0.0629412615644\*x\*y^3\*z^3-0.0211859005912\*x^2\*y^3\*z^3+0.00704008308647\*x\*y^2\*z^4-0.0493188285787\*x\*y\*z^5+0.0557011135108\*x^2\*y^2\*z^4-0.0644378602983\*x^3\*y^4\*z-0.0186942811162\*x^2\*y^4\*z^3-0.0231880059348\*x^3\*y^3\*z^3-0.0455045039726\*x^5\*y^2\*z-0.0644392973062\*x^4\*y^3\*z-0.0455053476426\*x^2\*y^5\*z-0.0344196488662\*x\*y^6\*z+0.101909531671\*x\*y^5\*z^2-0.0238068620691\*x\*y^4\*z^3+0.035734818529\*x\*y^3\*z^4+0.00408915415483\*x\*y^2\*z^5+0.0230066104297\*x^2\*y^5\*z^2-0.0187855159543\*x^2\*y^3\*z^4-0.0186921115149\*x^4\*y^2\*z^3-0.0344203516419\*x^6\*y\*z+0.00408821070095\*x^2\*y\*z^5+0.0230089330143\*x^5\*y^2\*z^2-0.0187844640642\*x^3\*y^2\*z^4-1.39494821727e-09\*x^4\*y^4\*z-0.0111157527178\*x^3\*y^4\*z^3-0.0111150742997\*x^4\*y^3\*z^3-5.44414266597e-10\*x^6\*y^2\*z-1.10842098043e-09\*x^5\*y^3\*z-1.08965178417e-09\*x^3\*y^5\*z-6.47093304829e-10\*x^2\*y^6\*z+0.000228513774731\*x^2\*y^2\*z^5+0.164963374989\*x^5\*y^3\*z^2+0.164956022069\*x^3\*y^5\*z^2+0.0445752157629\*x^3\*y^3\*z^4-0.113419963713\*x^4\*y^4+0.0414216192651\*x^5\*y^2+0.0174862828957\*x^4\*y^3+0.017492880875\*x^3\*y^4+0.0414152520479\*x^2\*y^5+0.259601218691\*x^6\*y^2-0.15358307698\*x^5\*y^3-0.153576737852\*x^3\*y^5+0.259598870529\*x^2\*y^6-0.16537639005\*x\*z^6+0.0248305124734\*x^4\*z^4-9.73653727472e-06\*x^4\*y\*z^4+0.517855809429\*x^6\*z^2-0.000560105761589\*x^5\*z^3+0.00163591347207\*x^3\*z^5+0.145176940509\*x^2\*z^6-3.98060679906e-06\*x^5\*y\*z^3-4.56400270857e-06\*x^3\*y\*z^5+0.0633015374385\*x\*y\*z^6+6.85617843736e-05\*x^2\*y^4\*z^4-6.99912618706e-06\*x\*y^6\*z^2-3.98132882438e-06\*x\*y^5\*z^3-9.73725320353e-06\*x\*y^4\*z^4-4.56490655497e-06\*x\*y^3\*z^5-1.42906710888e-05\*x\*y^2\*z^6-2.37634023974e-06\*x^2\*y^5\*z^3-1.94750087274e-06\*x^2\*y^3\*z^5+6.85614908224e-05\*x^4\*y^2\*z^4-6.99662942429e-06\*x^6\*y\*z^2-1.42901967487e-05\*x^2\*y\*z^6-2.37618334489e-06\*x^5\*y^2\*z^3-1.94718062254e-06\*x^3\*y^2\*z^5-0.563277207328\*y^5\*z^2-0.00841208873298\*y^4\*z^3-0.0205791133911\*y^3\*z^4-6.11605794515e-05\*y^2\*z^5-0.165375389062\*y\*z^6-0.543301216483\*x^7-0.275051030053\*x^6\*y-0.275055786933\*x\*y^6-0.543318070864\*y^7+0.128610234955\*y^6\*z+2.8981374941e-06\*z^7+0.414138722179\*x^8-0.00565580557911\*x^7\*y-0.0331763098209\*x^7\*z-0.0056549441442\*x\*y^7+0.414146940611\*y^8-0.0331750029193\*y^7\*z+0.517842425214\*y^6\*z^2-0.000560857938298\*y^5\*z^3+0.0248324520428\*y^4\*z^4+0.00163675454874\*y^3\*z^5+0.145175823826\*y^2\*z^6-1.95601341277e-06\*x\*z^7-1.95601339293e-06\*y\*z^7+1.16105190627e-07\*z^8+2.25741750154e-08\*x\*y\*z^7+7.13679887696e-05\*x^6\*y^2\*z^2+7.13635904778e-05\*x^2\*y^6\*z^2+3.5902242163e-05\*x^2\*y^2\*z^6

ans =

"(x-x^2) v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

0.3618 0.0203 -0.0059 -0.0096 -0.0814 0.0064 -0.0917 0.0050 -0.0281 -0.0807 -0.0005 0.0101 0.0115 -0.0167 -0.0050 0.0075 -0.0316 0.0145

0.0203 0.1631 0.0013 0.0004 0.0034 -0.0129 -0.0022 -0.0109 -0.0024 -0.0052 -0.0549 0.0026 -0.0231 0.0004 0.0025 -0.0093 -0.0031 -0.0252

-0.0059 0.0013 0.1860 0.0236 -0.0023 0.0078 0.0023 0.0013 -0.0112 0.0060 -0.0032 -0.0168 0.0079 -0.0864 -0.0083 0.0088 -0.0163 0.0076

-0.0096 0.0004 0.0236 0.1796 0.0038 0.0017 -0.0100 0.0036 0.0011 0.0081 -0.0033 0.0137 0.0055 -0.0381 -0.0446 0.0062 -0.0288 0.0111

-0.0814 0.0034 -0.0023 0.0038 0.1231 0.0016 -0.0146 0.0006 0.0160 0.0063 0.0038 -0.0124 -0.0028 0.0112 -0.0110 -0.0018 0.0125 -0.0042

0.0064 -0.0129 0.0078 0.0017 0.0016 0.1155 -0.0005 -0.0152 -0.0033 -0.0031 0.0123 0.0052 -0.0093 0.0013 0.0008 -0.0153 -0.0015 -0.0135

-0.0917 -0.0022 0.0023 -0.0100 -0.0146 -0.0005 0.1581 -0.0046 -0.0199 -0.0210 -0.0004 0.0031 0.0008 -0.0066 0.0010 -0.0005 -0.0008 -0.0024

0.0050 -0.0109 0.0013 0.0036 0.0006 -0.0152 -0.0046 0.1378 -0.0013 -0.0018 0.0035 0.0019 -0.0083 -0.0015 0.0055 -0.0092 -0.0005 -0.0199

-0.0281 -0.0024 -0.0112 0.0011 0.0160 -0.0033 -0.0199 -0.0013 0.1395 -0.0257 -0.0018 0.0103 0.0014 -0.0282 -0.0008 0.0048 -0.0018 0.0040

-0.0807 -0.0052 0.0060 0.0081 0.0063 -0.0031 -0.0210 -0.0018 -0.0257 0.1893 0.0000 0.0087 0.0010 -0.0079 -0.0137 0.0016 0.0019 -0.0015

-0.0005 -0.0549 -0.0032 -0.0033 0.0038 0.0123 -0.0004 0.0035 -0.0018 0.0000 0.1452 0.0029 -0.0537 0.0017 0.0008 0.0078 0.0018 -0.0633

0.0101 0.0026 -0.0168 0.0137 -0.0124 0.0052 0.0031 0.0019 0.0103 0.0087 0.0029 0.1175 -0.0001 -0.0586 -0.0119 0.0017 0.0042 -0.0011

0.0115 -0.0231 0.0079 0.0055 -0.0028 -0.0093 0.0008 -0.0083 0.0014 0.0010 -0.0537 -0.0001 0.1519 -0.0062 -0.0047 -0.0108 -0.0081 -0.0243

-0.0167 0.0004 -0.0864 -0.0381 0.0112 0.0013 -0.0066 -0.0015 -0.0282 -0.0079 0.0017 -0.0586 -0.0062 0.2399 0.0094 -0.0161 0.0016 -0.0095

-0.0050 0.0025 -0.0083 -0.0446 -0.0110 0.0008 0.0010 0.0055 -0.0008 -0.0137 0.0008 -0.0119 -0.0047 0.0094 0.1515 -0.0018 -0.0414 -0.0047

0.0075 -0.0093 0.0088 0.0062 -0.0018 -0.0153 -0.0005 -0.0092 0.0048 0.0016 0.0078 0.0017 -0.0108 -0.0161 -0.0018 0.1387 -0.0015 -0.0219

-0.0316 -0.0031 -0.0163 -0.0288 0.0125 -0.0015 -0.0008 -0.0005 -0.0018 0.0019 0.0018 0.0042 -0.0081 0.0016 -0.0414 -0.0015 0.1618 -0.0035

0.0145 -0.0252 0.0076 0.0111 -0.0042 -0.0135 -0.0024 -0.0199 0.0040 -0.0015 -0.0633 -0.0011 -0.0243 -0.0095 -0.0047 -0.0219 -0.0035 0.3195

-0.0302 -0.0054 -0.0325 -0.0303 0.0175 -0.0036 0.0003 -0.0019 -0.0097 -0.0046 0.0024 0.0059 -0.0027 -0.0630 0.0055 -0.0006 -0.0045 -0.0060

-0.0753 -0.0054 -0.0694 -0.0991 0.0331 -0.0059 -0.0092 0.0010 -0.0158 -0.0646 0.0044 0.0188 -0.0125 0.0085 0.0992 -0.0112 -0.0800 -0.0166

Columns 19 through 20

-0.0302 -0.0753

-0.0054 -0.0054

-0.0325 -0.0694

-0.0303 -0.0991

0.0175 0.0331

-0.0036 -0.0059

0.0003 -0.0092

-0.0019 0.0010

-0.0097 -0.0158

-0.0046 -0.0646

0.0024 0.0044

0.0059 0.0188

-0.0027 -0.0125

-0.0630 0.0085

0.0055 0.0992

-0.0006 -0.0112

-0.0045 -0.0800

-0.0060 -0.0166

0.1798 -0.0028

-0.0028 0.4141

ans =

0.0000

0.0364

0.0580

0.0706

0.0897

0.0963

0.1340

0.1455

0.1475

0.1567

0.1682

0.1805

0.1896

0.1957

0.2160

0.2309

0.3216

0.3448

0.4344

0.5572

0.361769189777-0.0191776919003\*x-0.0117542207268\*y+0.0406812617923\*z-0.00895749325748\*x\*y+0.0182158598883\*x^2+0.0109307118397\*x\*z+0.0256850407214\*x^2\*z+0.00253594744805\*y^2+0.0162937374001\*x\*y\*z+0.00686993882157\*x\*y^2\*z+0.00798640198097\*x^2\*y\*z-0.00131557785048\*x^2\*y^2\*z-0.0251690394498\*x^2\*y^2-0.0272817485484\*x^2\*y^3\*z-0.0332047151412\*x^3\*y^2\*z+0.0192206618464\*x^2\*y^2\*z^2+0.000188721350188\*z^2-0.0241026467935\*x\*z^2+0.010576392665\*x^2\*z^2-0.00616406095659\*x\*y\*z^2+0.000359048489045\*x\*y^2\*z^2+0.00528112394325\*x^2\*y\*z^2-0.0101192851011\*y\*z^2+0.0154799152661\*y\*z-0.134335759423\*x^3-0.0461986802795\*x^2\*y-0.105573351909\*x\*y^2-0.0287831608481\*y^3+0.0344467568194\*y^2\*z+0.00577467201259\*z^3-0.00898571223593\*x^4-0.250725790461\*x^3\*y-0.148588067959\*x\*y^3-0.0147756156158\*y^4+0.00788282785662\*x^3\*z+0.0158099638633\*y^3\*z+0.00650503219404\*y^2\*z^2-0.000337396559685\*x\*z^3+0.0018820669618\*y\*z^3+0.0132570513057\*z^4-0.129162610528\*x^5-0.0408787510197\*x^4\*y-0.0341366522327\*x^3\*y^2-0.0190471189475\*x^2\*y^3-0.0580785155819\*x\*y^4-0.0131115986951\*y^5-0.000979818310302\*x^4\*z-0.0043043553997\*x^3\*y\*z-0.00424203458939\*x\*y^3\*z+0.00436330949799\*y^4\*z-0.00110049664297\*x^3\*z^2+0.0101762796577\*y^3\*z^2+0.00259253009839\*x^2\*z^3-0.00192448621629\*x\*y\*z^3+0.00384947644397\*y^2\*z^3-0.0149937464663\*x\*z^4-0.000310433788484\*y\*z^4+0.00762556732039\*z^5+0.414138630056\*x^6-0.00565580532445\*x^5\*y+0.019787989481\*x^4\*y^2+0.00811906459357\*x^3\*y^3+0.0358168601922\*x^2\*y^4+0.00326097751292\*x\*y^5+0.23988463713\*y^6-0.0331763098077\*x^5\*z-0.0344203510566\*x^4\*y\*z-0.0482725429696\*x\*y^4\*z-0.0123014332931\*y^5\*z+0.517849733648\*x^4\*z^2+0.00497426357843\*x^3\*y\*z^2+0.00556746971348\*x\*y^3\*z^2+0.0347461076413\*y^4\*z^2-0.000559997100694\*x^3\*z^3-0.000975578328413\*x^2\*y\*z^3-0.00249309625177\*x\*y^2\*z^3+0.00336686311812\*y^3\*z^3+0.0248259610233\*x^2\*z^4-0.00829612322678\*x\*y\*z^4+0.0102421554275\*y^2\*z^4+0.00163624417516\*x\*z^5+0.00585279170706\*y\*z^5+0.145173837705\*z^6

ans =

"(y-y^2) v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

0.3618 0.0203 -0.0096 -0.0059 -0.0814 0.0050 -0.0807 0.0064 -0.0281 -0.0917 -0.0005 -0.0050 0.0145 -0.0753 0.0101 0.0075 -0.0302 0.0115

0.0203 0.1631 0.0004 0.0013 0.0034 -0.0109 -0.0052 -0.0129 -0.0024 -0.0022 -0.0549 0.0025 -0.0252 -0.0054 0.0026 -0.0093 -0.0054 -0.0231

-0.0096 0.0004 0.1796 0.0236 0.0038 0.0036 0.0081 0.0017 0.0011 -0.0100 -0.0033 -0.0446 0.0111 -0.0991 0.0137 0.0062 -0.0303 0.0055

-0.0059 0.0013 0.0236 0.1860 -0.0023 0.0013 0.0060 0.0078 -0.0112 0.0023 -0.0032 -0.0083 0.0076 -0.0694 -0.0168 0.0088 -0.0325 0.0080

-0.0814 0.0034 0.0038 -0.0023 0.1231 0.0006 0.0063 0.0016 0.0160 -0.0146 0.0038 -0.0110 -0.0042 0.0331 -0.0124 -0.0018 0.0175 -0.0028

0.0050 -0.0109 0.0036 0.0013 0.0006 0.1378 -0.0018 -0.0152 -0.0013 -0.0046 0.0035 0.0055 -0.0199 0.0010 0.0019 -0.0092 -0.0019 -0.0083

-0.0807 -0.0052 0.0081 0.0060 0.0063 -0.0018 0.1893 -0.0031 -0.0257 -0.0210 0.0000 -0.0137 -0.0015 -0.0646 0.0087 0.0016 -0.0046 0.0010

0.0064 -0.0129 0.0017 0.0078 0.0016 -0.0152 -0.0031 0.1155 -0.0033 -0.0005 0.0123 0.0008 -0.0135 -0.0059 0.0052 -0.0153 -0.0036 -0.0093

-0.0281 -0.0024 0.0011 -0.0112 0.0160 -0.0013 -0.0257 -0.0033 0.1395 -0.0199 -0.0018 -0.0008 0.0040 -0.0158 0.0103 0.0048 -0.0097 0.0014

-0.0917 -0.0022 -0.0100 0.0023 -0.0146 -0.0046 -0.0210 -0.0005 -0.0199 0.1581 -0.0004 0.0010 -0.0024 -0.0092 0.0031 -0.0005 0.0003 0.0008

-0.0005 -0.0549 -0.0033 -0.0032 0.0038 0.0035 0.0000 0.0123 -0.0018 -0.0004 0.1452 0.0008 -0.0633 0.0044 0.0029 0.0078 0.0024 -0.0537

-0.0050 0.0025 -0.0446 -0.0083 -0.0110 0.0055 -0.0137 0.0008 -0.0008 0.0010 0.0008 0.1515 -0.0047 0.0992 -0.0119 -0.0018 0.0055 -0.0047

0.0145 -0.0252 0.0111 0.0076 -0.0042 -0.0199 -0.0015 -0.0135 0.0040 -0.0024 -0.0633 -0.0047 0.3195 -0.0166 -0.0011 -0.0219 -0.0060 -0.0243

-0.0753 -0.0054 -0.0991 -0.0694 0.0331 0.0010 -0.0646 -0.0059 -0.0158 -0.0092 0.0044 0.0992 -0.0166 0.4141 0.0188 -0.0112 -0.0028 -0.0125

0.0101 0.0026 0.0137 -0.0168 -0.0124 0.0019 0.0087 0.0052 0.0103 0.0031 0.0029 -0.0119 -0.0011 0.0188 0.1175 0.0017 0.0059 -0.0001

0.0075 -0.0093 0.0062 0.0088 -0.0018 -0.0092 0.0016 -0.0153 0.0048 -0.0005 0.0078 -0.0018 -0.0219 -0.0112 0.0017 0.1387 -0.0006 -0.0108

-0.0302 -0.0054 -0.0303 -0.0325 0.0175 -0.0019 -0.0046 -0.0036 -0.0097 0.0003 0.0024 0.0055 -0.0060 -0.0028 0.0059 -0.0006 0.1798 -0.0027

0.0115 -0.0231 0.0055 0.0080 -0.0028 -0.0083 0.0010 -0.0093 0.0014 0.0008 -0.0537 -0.0047 -0.0243 -0.0125 -0.0001 -0.0108 -0.0027 0.1519

-0.0316 -0.0031 -0.0288 -0.0163 0.0125 -0.0005 0.0019 -0.0015 -0.0018 -0.0008 0.0018 -0.0414 -0.0035 -0.0800 0.0042 -0.0015 -0.0045 -0.0081

-0.0167 0.0004 -0.0381 -0.0864 0.0112 -0.0015 -0.0079 0.0013 -0.0282 -0.0066 0.0017 0.0094 -0.0095 0.0085 -0.0586 -0.0161 -0.0630 -0.0062

Columns 19 through 20

-0.0316 -0.0167

-0.0031 0.0004

-0.0288 -0.0381

-0.0163 -0.0864

0.0125 0.0112

-0.0005 -0.0015

0.0019 -0.0079

-0.0015 0.0013

-0.0018 -0.0282

-0.0008 -0.0066

0.0018 0.0017

-0.0414 0.0094

-0.0035 -0.0095

-0.0800 0.0085

0.0042 -0.0586

-0.0015 -0.0161

-0.0045 -0.0630

-0.0081 -0.0062

0.1618 0.0016

0.0016 0.2399

ans =

0.0000

0.0364

0.0580

0.0706

0.0897

0.0963

0.1340

0.1455

0.1475

0.1567

0.1682

0.1805

0.1896

0.1957

0.2160

0.2309

0.3216

0.3448

0.4344

0.5572

0.361769212833-0.0117554616346\*x-0.0191760068665\*y+0.0406805605771\*z-0.00895663355708\*x\*y+0.00253609466059\*x^2+0.0154800992355\*x\*z+0.0344465994558\*x^2\*z+0.0182186493365\*y^2+0.0162941079368\*x\*y\*z+0.00798636085985\*x\*y^2\*z+0.00687053238396\*x^2\*y\*z-0.00131545383477\*x^2\*y^2\*z-0.0251707911269\*x^2\*y^2-0.0332062858259\*x^2\*y^3\*z-0.0272810630265\*x^3\*y^2\*z+0.0192210784827\*x^2\*y^2\*z^2+0.000187997787086\*z^2-0.0101203115514\*x\*z^2+0.00650628338422\*x^2\*z^2-0.00616581303766\*x\*y\*z^2+0.00528298361126\*x\*y^2\*z^2+0.000358613301743\*x^2\*y\*z^2-0.0240981992051\*y\*z^2+0.0109325059798\*y\*z-0.0287854651189\*x^3-0.105576027044\*x^2\*y-0.0461990029977\*x\*y^2-0.134333517705\*y^3+0.0256834176018\*y^2\*z+0.00577387849416\*z^3-0.0147750207237\*x^4-0.148585171444\*x^3\*y-0.25072369486\*x\*y^3-0.00898581434682\*y^4+0.0158099485061\*x^3\*z+0.0078838178708\*y^3\*z+0.0105757353376\*y^2\*z^2+0.00188058076378\*x\*z^3-0.00033873855274\*y\*z^3+0.0132584987056\*z^4-0.0131103107432\*x^5-0.0580798307385\*x^4\*y-0.0190487631977\*x^3\*y^2-0.0341387310035\*x^2\*y^3-0.0408824182392\*x\*y^4-0.129171246478\*y^5+0.00436259797775\*x^4\*z-0.00424171039495\*x^3\*y\*z-0.0043067764936\*x\*y^3\*z-0.000978718945693\*y^4\*z+0.0101785880057\*x^3\*z^2-0.00109917529974\*y^3\*z^2+0.00384767866838\*x^2\*z^3-0.00192427334146\*x\*y\*z^3+0.0025923683578\*y^2\*z^3-0.000310983094753\*x\*z^4-0.0149943537628\*y\*z^4+0.00762532865652\*z^5+0.239884413051\*x^6+0.00326123372339\*x^5\*y+0.0358221996324\*x^4\*y^2+0.00811830698429\*x^3\*y^3+0.0197854128595\*x^2\*y^4-0.00565494388525\*x\*y^5+0.414146848489\*y^6-0.012302160288\*x^5\*z-0.0482726157682\*x^4\*y\*z-0.0344196481802\*x\*y^4\*z-0.0331750029237\*y^5\*z+0.034745165498\*x^4\*z^2+0.00556714060416\*x^3\*y\*z^2+0.00497245065979\*x\*y^3\*z^2+0.517836348554\*y^4\*z^2+0.00336744206659\*x^3\*z^3-0.00249341618045\*x^2\*y\*z^3-0.000974900000527\*x\*y^2\*z^3-0.000560749692454\*y^3\*z^3+0.0102413457919\*x^2\*z^4-0.00829517337988\*x\*y\*z^4+0.0248279001313\*y^2\*z^4+0.00585199116773\*x\*z^5+0.00163708486335\*y\*z^5+0.145172720643\*z^6

ans =

"-z v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

1.5036 0.9194 -0.3606 -0.3606 0.3145 0.0993 -0.1707 0.0993 -0.2503 -0.1707 0.0426 0.0121 0.0654 -0.0146 0.0121 0.0374 -0.0684 0.0654

0.9194 0.9880 -0.1150 -0.1150 0.3258 0.0338 -0.1107 0.0338 -0.1366 -0.1107 -0.0851 0.0496 0.0119 -0.0494 0.0496 -0.0165 -0.1064 0.0119

-0.3606 -0.1150 0.3217 0.0879 -0.0419 0.0371 0.0033 0.0083 0.0275 0.0284 -0.0645 -0.0150 0.0194 -0.0611 0.0270 -0.0111 -0.0080 -0.0270

-0.3606 -0.1150 0.0879 0.3217 -0.0419 0.0083 0.0284 0.0371 0.0275 0.0033 -0.0645 0.0270 -0.0270 -0.0129 -0.0150 -0.0111 -0.0281 0.0194

0.3145 0.3258 -0.0419 -0.0419 0.2018 0.0205 -0.0508 0.0205 -0.0507 -0.0508 0.0158 -0.0044 -0.0038 -0.0081 -0.0044 -0.0061 -0.0277 -0.0038

0.0993 0.0338 0.0371 0.0083 0.0205 0.1204 -0.0035 0.0116 -0.0361 -0.0342 0.0078 0.0185 0.0003 -0.0152 0.0044 -0.0060 -0.0172 0.0072

-0.1707 -0.1107 0.0033 0.0284 -0.0508 -0.0035 0.1280 -0.0342 0.0165 -0.0124 0.0039 0.0083 0.0094 0.0065 0.0159 -0.0178 -0.0030 -0.0139

0.0993 0.0338 0.0083 0.0371 0.0205 0.0116 -0.0342 0.1204 -0.0361 -0.0035 0.0078 0.0044 0.0072 -0.0279 0.0185 -0.0060 -0.0075 0.0003

-0.2503 -0.1366 0.0275 0.0275 -0.0507 -0.0361 0.0165 -0.0361 0.1411 0.0165 0.0015 0.0076 -0.0322 0.0039 0.0076 0.0262 0.0043 -0.0322

-0.1707 -0.1107 0.0284 0.0033 -0.0508 -0.0342 -0.0124 -0.0035 0.0165 0.1280 0.0039 0.0159 -0.0139 -0.0098 0.0083 -0.0178 0.0102 0.0094

0.0426 -0.0851 -0.0645 -0.0645 0.0158 0.0078 0.0039 0.0078 0.0015 0.0039 0.1258 0.0002 -0.0331 0.0179 0.0002 0.0157 0.0199 -0.0331

0.0121 0.0496 -0.0150 0.0270 -0.0044 0.0185 0.0083 0.0044 0.0076 0.0159 0.0002 0.0916 -0.0087 -0.0440 -0.0183 -0.0040 -0.0058 -0.0094

0.0654 0.0119 0.0194 -0.0270 -0.0038 0.0003 0.0094 0.0072 -0.0322 -0.0139 -0.0331 -0.0087 0.1005 -0.0031 -0.0094 -0.0093 -0.0027 -0.0108

-0.0146 -0.0494 -0.0611 -0.0129 -0.0081 -0.0152 0.0065 -0.0279 0.0039 -0.0098 0.0179 -0.0440 -0.0031 0.1324 0.0082 -0.0084 0.0018 -0.0001

0.0121 0.0496 0.0270 -0.0150 -0.0044 0.0044 0.0159 0.0185 0.0076 0.0083 0.0002 -0.0183 -0.0094 0.0082 0.0916 -0.0040 -0.0135 -0.0087

0.0374 -0.0165 -0.0111 -0.0111 -0.0061 -0.0060 -0.0178 -0.0060 0.0262 -0.0178 0.0157 -0.0040 -0.0093 -0.0084 -0.0040 0.0784 0.0058 -0.0093

-0.0684 -0.1064 -0.0080 -0.0281 -0.0277 -0.0172 -0.0030 -0.0075 0.0043 0.0102 0.0199 -0.0058 -0.0027 0.0018 -0.0135 0.0058 0.1138 -0.0136

0.0654 0.0119 -0.0270 0.0194 -0.0038 0.0072 -0.0139 0.0003 -0.0322 0.0094 -0.0331 -0.0094 -0.0108 -0.0001 -0.0087 -0.0093 -0.0136 0.1005

-0.0684 -0.1064 -0.0281 -0.0080 -0.0277 -0.0075 0.0102 -0.0172 0.0043 -0.0030 0.0199 -0.0135 -0.0136 -0.0393 -0.0058 0.0058 0.0140 -0.0027

-0.0146 -0.0494 -0.0129 -0.0611 -0.0081 -0.0279 -0.0098 -0.0152 0.0039 0.0065 0.0179 0.0082 -0.0001 -0.0087 -0.0440 -0.0084 -0.0393 -0.0031

Columns 19 through 20

-0.0684 -0.0146

-0.1064 -0.0494

-0.0281 -0.0129

-0.0080 -0.0611

-0.0277 -0.0081

-0.0075 -0.0279

0.0102 -0.0098

-0.0172 -0.0152

0.0043 0.0039

-0.0030 0.0065

0.0199 0.0179

-0.0135 0.0082

-0.0136 -0.0001

-0.0393 -0.0087

-0.0058 -0.0440

0.0058 -0.0084

0.0140 -0.0393

-0.0027 -0.0031

0.1138 0.0018

0.0018 0.1324

ans =

0.0000

0.0031

0.0169

0.0206

0.0229

0.0547

0.0583

0.0642

0.1132

0.1196

0.1257

0.1342

0.1562

0.1640

0.1819

0.1928

0.2618

0.2746

0.5713

2.5196

1.50364877635-0.721285992556\*x-0.721279368498\*y+1.83877217114\*z-0.324766468693\*x\*y-0.0196630682926\*x^2-0.0313283183639\*x\*z-0.0162591410428\*x^2\*z-0.0196615305032\*y^2-0.165259513023\*x\*y\*z-0.429695945773\*x\*y^2\*z-0.429702286982\*x^2\*y\*z-0.0330774502392\*x^2\*y^2\*z+0.00410310382657\*x^2\*y^2-0.0157460206542\*x^2\*y^3\*z-0.0157475756025\*x^3\*y^2\*z+0.00287544252096\*x^2\*y^2\*z^2+1.61706228424\*z^2+0.00810402683942\*x\*z^2+0.0125913186579\*x^2\*z^2-0.00307314872788\*x\*y\*z^2-0.00599567099266\*x\*y^2\*z^2-0.0059935025665\*x^2\*y\*z^2+0.00810464232237\*y\*z^2-0.0313305325768\*y\*z-0.0226611591007\*x^3-0.0250019921562\*x^2\*y-0.02500045981\*x\*y^2-0.0226584976529\*y^3-0.0162585200745\*y^2\*z+0.736824680581\*z^3+0.00570388248729\*x^4-0.00891752966191\*x^3\*y-0.00891545280762\*x\*y^3+0.00570323841314\*y^4-0.0668266436665\*x^3\*z-0.0668252435805\*y^3\*z+0.0125902075012\*y^2\*z^2+0.0112092189107\*x\*z^3+0.0112081561553\*y\*z^3+0.031605251234\*z^4+0.0129560980757\*x^5+0.00184507273553\*x^4\*y+0.0092800543097\*x^3\*y^2+0.00927857677642\*x^2\*y^3+0.00184527121013\*x\*y^4+0.0129555804846\*y^5-0.0116444300301\*x^4\*z-0.190293974351\*x^3\*y\*z-0.190286980776\*x\*y^3\*z-0.0116439126834\*y^4\*z+0.00107290876282\*x^3\*z^2+0.00107368996886\*y^3\*z^2+0.0373691053115\*x^2\*z^3+0.00827560984269\*x\*y\*z^3+0.037368634171\*y^2\*z^3+0.00680363649677\*x\*z^4+0.00680479127215\*y\*z^4+0.0315930661177\*z^5+0.132363608346\*x^6+0.00365634986831\*x^5\*y+0.0352500086479\*x^4\*y^2+0.0105802610679\*x^3\*y^3+0.0352543806441\*x^2\*y^4+0.00365530909812\*x\*y^5+0.132360049343\*y^6-0.00616314208492\*x^5\*z-0.022229364046\*x^4\*y\*z-0.0222303028657\*x\*y^4\*z-0.00616147591452\*y^5\*z+0.0125408239466\*x^4\*z^2-0.0139210890135\*x^3\*y\*z^2-0.0139205770082\*x\*y^3\*z^2+0.0125410237996\*y^4\*z^2+0.0183407182934\*x^3\*z^3+0.0128876054265\*x^2\*y\*z^3+0.0128878570968\*x\*y^2\*z^3+0.018339609737\*y^3\*z^3+0.025527126518\*x^2\*z^4-0.00528731746463\*x\*y\*z^4+0.02552268852\*y^2\*z^4+0.000352176288653\*x\*z^5+0.000353013125679\*y\*z^5+0.125768092726\*z^6

ans =

"(2z+1) v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

0.0279 -0.0524 -0.0017 -0.0017 0.0186 -0.0024 -0.0119 -0.0024 -0.0030 -0.0119 0.0079 0.0035 0.0034 0.0002 0.0035 -0.0051 0.0009 0.0034

-0.0524 0.1298 0.0015 0.0015 -0.0717 0.0005 0.0235 0.0005 0.0044 0.0235 -0.0037 -0.0036 -0.0155 0.0002 -0.0036 0.0021 -0.0012 -0.0155

-0.0017 0.0015 0.0291 -0.0075 0.0041 -0.0280 -0.0044 -0.0006 -0.0041 0.0010 0.0009 0.0086 -0.0014 -0.0106 0.0001 -0.0030 -0.0004 -0.0032

-0.0017 0.0015 -0.0075 0.0291 0.0041 -0.0006 0.0010 -0.0280 -0.0041 -0.0044 0.0009 0.0001 -0.0032 0.0031 0.0086 -0.0030 -0.0045 -0.0014

0.0186 -0.0717 0.0041 0.0041 0.1029 -0.0064 -0.0178 -0.0064 0.0026 -0.0178 -0.0463 -0.0019 0.0201 0.0015 -0.0019 0.0002 0.0016 0.0201

-0.0024 0.0005 -0.0280 -0.0006 -0.0064 0.0672 0.0026 0.0004 0.0047 0.0040 0.0055 -0.0368 -0.0053 0.0125 -0.0004 0.0016 0.0023 0.0014

-0.0119 0.0235 -0.0044 0.0010 -0.0178 0.0026 0.0268 0.0040 -0.0033 -0.0016 0.0016 0.0056 -0.0125 -0.0086 -0.0019 0.0040 -0.0050 0.0022

-0.0024 0.0005 -0.0006 -0.0280 -0.0064 0.0004 0.0040 0.0672 0.0047 0.0026 0.0055 -0.0004 0.0014 0.0000 -0.0368 0.0016 0.0050 -0.0053

-0.0030 0.0044 -0.0041 -0.0041 0.0026 0.0047 -0.0033 0.0047 0.0278 -0.0033 -0.0035 0.0010 0.0011 0.0036 0.0010 -0.0127 -0.0086 0.0011

-0.0119 0.0235 0.0010 -0.0044 -0.0178 0.0040 -0.0016 0.0026 -0.0033 0.0268 0.0016 -0.0019 0.0022 0.0027 0.0056 0.0040 0.0045 -0.0125

0.0079 -0.0037 0.0009 0.0009 -0.0463 0.0055 0.0016 0.0055 -0.0035 0.0016 0.0629 -0.0038 -0.0207 -0.0014 -0.0038 0.0034 -0.0033 -0.0207

0.0035 -0.0036 0.0086 0.0001 -0.0019 -0.0368 0.0056 -0.0004 0.0010 -0.0019 -0.0038 0.0531 -0.0037 -0.0138 0.0023 -0.0049 0.0043 0.0044

0.0034 -0.0155 -0.0014 -0.0032 0.0201 -0.0053 -0.0125 0.0014 0.0011 0.0022 -0.0207 -0.0037 0.0399 0.0041 0.0044 0.0003 0.0060 -0.0031

0.0002 0.0002 -0.0106 0.0031 0.0015 0.0125 -0.0086 0.0000 0.0036 0.0027 -0.0014 -0.0138 0.0041 0.0180 -0.0011 0.0039 -0.0029 -0.0014

0.0035 -0.0036 0.0001 0.0086 -0.0019 -0.0004 -0.0019 -0.0368 0.0010 0.0056 -0.0038 0.0023 0.0044 -0.0011 0.0531 -0.0049 -0.0064 -0.0037

-0.0051 0.0021 -0.0030 -0.0030 0.0002 0.0016 0.0040 0.0016 -0.0127 0.0040 0.0034 -0.0049 0.0003 0.0039 -0.0049 0.0419 0.0039 0.0003

0.0009 -0.0012 -0.0004 -0.0045 0.0016 0.0023 -0.0050 0.0050 -0.0086 0.0045 -0.0033 0.0043 0.0060 -0.0029 -0.0064 0.0039 0.0235 0.0016

0.0034 -0.0155 -0.0032 -0.0014 0.0201 0.0014 0.0022 -0.0053 0.0011 -0.0125 -0.0207 0.0044 -0.0031 -0.0014 -0.0037 0.0003 0.0016 0.0399

0.0009 -0.0011 -0.0045 -0.0004 0.0016 0.0050 0.0045 0.0023 -0.0086 -0.0050 -0.0033 -0.0064 0.0016 -0.0055 0.0043 0.0039 -0.0019 0.0060

0.0002 0.0002 0.0031 -0.0106 0.0015 0.0000 0.0027 0.0125 0.0036 -0.0086 -0.0014 -0.0011 -0.0014 0.0000 -0.0138 0.0039 -0.0055 0.0041

Columns 19 through 20

0.0009 0.0002

-0.0011 0.0002

-0.0045 0.0031

-0.0004 -0.0106

0.0016 0.0015

0.0050 0.0000

0.0045 0.0027

0.0023 0.0125

-0.0086 0.0036

-0.0050 -0.0086

-0.0033 -0.0014

-0.0064 -0.0011

0.0016 -0.0014

-0.0055 0.0000

0.0043 -0.0138

0.0039 0.0039

-0.0019 -0.0055

0.0060 0.0041

0.0235 -0.0029

-0.0029 0.0180

ans =

0.0000

0.0007

0.0026

0.0036

0.0056

0.0093

0.0121

0.0139

0.0182

0.0277

0.0290

0.0308

0.0360

0.0420

0.0552

0.0611

0.1034

0.1125

0.1158

0.2287

0.0278935122507-0.00338615854383\*x-0.00338622745405\*y-0.104752204895\*z-0.020890712518\*x\*y+0.00535913031816\*x^2-0.00179204687597\*x\*z-0.00224403940252\*x^2\*z+0.00535922184676\*y^2-0.0039821736387\*x\*y\*z+0.00258405828858\*x\*y^2\*z+0.0025842695297\*x^2\*y\*z+0.0033125549078\*x^2\*y^2\*z+0.00646547887625\*x^2\*y^2+0.0084376108016\*x^2\*y^3\*z+0.00843494877435\*x^3\*y^2\*z+0.0101878742349\*x^2\*y^2\*z^2+0.167029853035\*z^2+0.0162180596648\*x\*z^2+0.0177595268541\*x^2\*z^2+0.0106825703488\*x\*y\*z^2+0.00754152124528\*x\*y^2\*z^2+0.00753856540772\*x^2\*y\*z^2+0.0162170417996\*y\*z^2-0.00179197258536\*y\*z-0.00849274829961\*x^3-0.0044477048464\*x^2\*y-0.00444624704113\*x\*y^2-0.00849187999253\*y^3-0.00224392399657\*y^2\*z-0.127702824594\*z^3+0.00550961029721\*x^4-0.00108576013606\*x^3\*y-0.00108634913937\*x\*y^3+0.00550946476815\*y^4+0.00286287380235\*x^3\*z+0.00286194682555\*y^3\*z+0.0177600705489\*y^2\*z^2-0.018241719303\*x\*z^3-0.0182410169347\*y\*z^3+0.0955920592263\*z^4-0.0172564520975\*x^5-0.00288514878573\*x^4\*y-0.00285176501613\*x^3\*y^2-0.00285297149007\*x^2\*y^3-0.00288605987996\*x\*y^4-0.0172555692627\*y^5+0.000157384268832\*x^4\*z+0.0149441165476\*x^3\*y\*z+0.0149421375185\*x\*y^3\*z+0.000155327781057\*y^4\*z+0.00362134422998\*x^3\*z^2+0.00362214072435\*y^3\*z^2-0.0303500537452\*x^2\*z^3-0.00826406180728\*x\*y\*z^3-0.0303476466322\*y^2\*z^3+0.00706546714879\*x\*z^4+0.00706507528581\*y\*z^4-0.0926421161065\*z^5+0.017973851841\*x^6-0.00573376456108\*x^5\*y+0.0124746289951\*x^4\*y^2-0.00382438769757\*x^3\*y^3+0.0124759714584\*x^2\*y^4-0.00573397337347\*x\*y^5+0.0179730611602\*y^6+0.0081102726449\*x^5\*z+0.0197654204166\*x^4\*y\*z+0.0197654255861\*x\*y^4\*z+0.00811076565762\*y^5\*z+0.0123452723431\*x^4\*z^2+0.00701682466388\*x^3\*y\*z^2+0.00701647920522\*x\*y^3\*z^2+0.0123464836723\*y^4\*z^2-0.01004088831\*x^3\*z^3-0.00752373060271\*x^2\*y\*z^3-0.00752517816714\*x\*y^2\*z^3-0.0100414026276\*y^3\*z^3+0.0116860547509\*x^2\*z^4+0.0113392007136\*x\*y\*z^4+0.011683358689\*y^2\*z^4-0.00768130772274\*x\*z^5-0.00768083145686\*y\*z^5+0.0628835872823\*z^6

ans =

"x\*y-(1-x)\*(1-y)\*z^2 v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

0.0245 -0.0001 -0.0145 -0.0145 -0.0082 -0.0017 -0.0052 -0.0017 0.0050 -0.0052 0.0000 0.0000 0.0000 0.0000 0.0000 0.0004 0.0050 0.0000

-0.0001 0.0333 0.0011 0.0011 0.0016 -0.0144 -0.0001 -0.0144 0.0000 -0.0001 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0047 -0.0010 -0.0000

-0.0145 0.0011 0.0304 -0.0049 0.0048 0.0009 -0.0054 -0.0004 -0.0099 0.0064 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0009 0.0036 -0.0000

-0.0145 0.0011 -0.0049 0.0304 0.0048 -0.0004 0.0064 0.0009 -0.0099 -0.0054 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0009 -0.0056 -0.0000

-0.0082 0.0016 0.0048 0.0048 0.0359 0.0041 -0.0063 0.0041 0.0086 -0.0063 0.0000 0.0000 0.0000 0.0000 0.0000 0.0027 0.0013 0.0000

-0.0017 -0.0144 0.0009 -0.0004 0.0041 0.0318 -0.0003 -0.0072 0.0011 -0.0004 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0044 0.0006 -0.0000

-0.0052 -0.0001 -0.0054 0.0064 -0.0063 -0.0003 0.0220 -0.0004 -0.0082 -0.0024 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0010 -0.0077 -0.0000

-0.0017 -0.0144 -0.0004 0.0009 0.0041 -0.0072 -0.0004 0.0318 0.0011 -0.0003 -0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0044 0.0001 -0.0000

0.0050 0.0000 -0.0099 -0.0099 0.0086 0.0011 -0.0082 0.0011 0.0385 -0.0082 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0001 -0.0036 0.0000

-0.0052 -0.0001 0.0064 -0.0054 -0.0063 -0.0004 -0.0024 -0.0003 -0.0082 0.0220 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0010 0.0006 -0.0000

0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000

0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000

0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000

0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 0.0000

0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000

0.0004 -0.0047 -0.0009 -0.0009 0.0027 -0.0044 -0.0010 -0.0044 0.0001 -0.0010 0.0000 0.0000 0.0000 0.0000 0.0000 0.0180 0.0017 0.0000

0.0050 -0.0010 0.0036 -0.0056 0.0013 0.0006 -0.0077 0.0001 -0.0036 0.0006 0.0000 0.0000 0.0000 0.0000 -0.0000 0.0017 0.0151 0.0000

0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 0.0000

0.0050 -0.0010 -0.0056 0.0036 0.0013 0.0001 0.0006 0.0006 -0.0036 -0.0077 0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0017 -0.0074 0.0000

0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 -0.0000 -0.0000

Columns 19 through 20

0.0050 0.0000

-0.0010 -0.0000

-0.0056 -0.0000

0.0036 0.0000

0.0013 0.0000

0.0001 0.0000

0.0006 0.0000

0.0006 0.0000

-0.0036 -0.0000

-0.0077 -0.0000

0.0000 0.0000

-0.0000 -0.0000

0.0000 0.0000

-0.0000 -0.0000

0.0000 -0.0000

0.0017 0.0000

-0.0074 -0.0000

0.0000 -0.0000

0.0151 0.0000

0.0000 0.0000

ans =

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0012

0.0029

0.0148

0.0149

0.0187

0.0212

0.0274

0.0389

0.0476

0.0487

0.0525

0.0600

0.0244932979911-0.0290101566769\*x-0.0290102091753\*y-0.00013356772554\*z+2.64674080715e-05\*x\*y+0.0199388460858\*x^2-0.0011466105139\*x\*z+0.00166831624425\*x^2\*z+0.0199402314559\*y^2-0.000509899882489\*x\*y\*z-0.00244086129066\*x\*y^2\*z-0.00244063110616\*x^2\*y\*z+0.000631892989683\*x^2\*y^2\*z+0.0113925767391\*x^2\*y^2+0.00331793693393\*x^2\*y^3\*z+0.00331817592315\*x^3\*y^2\*z+0.017958688424\*x^2\*y^2\*z^2+0.0168359324215\*z^2-0.0190581598813\*x\*z^2+0.0191753187791\*x^2\*z^2-0.00655054007622\*x\*y\*z^2-0.00605980355779\*x\*y^2\*z^2-0.00605902543829\*x^2\*y\*z^2-0.0190593109746\*y\*z^2-0.00114552438051\*y\*z-0.0107372268673\*x^3+0.00292515400783\*x^2\*y+0.00292404338318\*x\*y^2-0.0107374068681\*y^3+0.00166753061554\*y^2\*z+0.00316552798717\*z^3+0.0219529372591\*x^4-0.00929539138519\*x^3\*y-0.00929429858553\*x\*y^3+0.0219527396816\*y^4-0.000586370506803\*x^3\*z-0.000586604561317\*y^3\*z+0.019174862685\*y^2\*z^2+0.00820453341016\*x\*z^3+0.00820572979676\*y\*z^3+0.0359143814746\*z^4-5.98371762539e-06\*x^5-0.0154958268314\*x^4\*y-0.00601375840379\*x^3\*y^2-0.00601383602493\*x^2\*y^3-0.0154968878955\*x\*y^4-5.98458476316e-06\*y^5+1.08662200352e-07\*x^4\*z-0.000802555612055\*x^3\*y\*z-0.000803833983312\*x\*y^3\*z+1.0824682453e-07\*y^4\*z-4.45931847392e-06\*x^3\*z^2-4.45978373911e-06\*y^3\*z^2+3.307011653e-07\*x^2\*z^3+0.00539307493761\*x\*y\*z^3+3.30313640557e-07\*y^2\*z^3-3.01066408946e-06\*x\*z^4-3.01104233173e-06\*y\*z^4+1.95601169082e-06\*z^5+2.38626687536e-08\*x^6+1.09718585755e-05\*x^5\*y+0.0151430078866\*x^4\*y^2-0.014737719726\*x^3\*y^3+0.0151434059594\*x^2\*y^4+1.09729925967e-05\*x\*y^5+2.38635407565e-08\*y^6-4.84165073822e-12\*x^5\*z+1.17956599426e-06\*x^4\*y\*z+1.17954364103e-06\*x\*y^4\*z-4.82650378614e-12\*y^5\*z+2.39220603764e-08\*x^4\*z^2+1.30476388305e-05\*x^3\*y\*z^2+1.3047995587e-05\*x\*y^3\*z^2+2.39235435237e-08\*y^4\*z^2-2.90392696142e-12\*x^3\*z^3+2.11920452843e-06\*x^2\*y\*z^3+2.1192029612e-06\*x\*y^2\*z^3-2.86535257386e-12\*y^3\*z^3+2.39377997465e-08\*x^2\*z^4+1.44808406097e-05\*x\*y\*z^4+2.3938219956e-08\*y^2\*z^4-2.06339396822e-12\*x\*z^5-2.06974966536e-12\*y\*z^5+2.39602270881e-08\*z^6

ans =

"(1-x)\*(1-y)-x\*y\*z^2 v,Q , v^T Q v ="

ans =

20×1 cell array

'1'

'z'

'y'

'x'

'z^2'

'y\*z'

'y^2'

'x\*z'

'x\*y'

'x^2'

'z^3'

'y\*z^2'

'y^2\*z'

'y^3'

'x\*z^2'

'x\*y\*z'

'x\*y^2'

'x^2\*z'

'x^2\*y'

'x^3'

ans =

Columns 1 through 18

0.0189 -0.0165 0.0083 0.0083 -0.0057 -0.0053 -0.0058 -0.0053 -0.0004 -0.0058 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0002 -0.0045 0.0000

-0.0165 0.0320 -0.0111 -0.0111 -0.0009 0.0125 0.0005 0.0125 -0.0093 0.0005 0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0022 -0.0025 -0.0000

0.0083 -0.0111 0.0388 0.0045 -0.0029 -0.0178 0.0108 -0.0059 0.0112 0.0023 -0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0014 -0.0018 -0.0000

0.0083 -0.0111 0.0045 0.0388 -0.0029 -0.0059 0.0023 -0.0178 0.0112 0.0108 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0014 -0.0168 0.0000

-0.0057 -0.0009 -0.0029 -0.0029 0.0274 -0.0023 -0.0118 -0.0023 -0.0004 -0.0118 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0026 -0.0030 -0.0000

-0.0053 0.0125 -0.0178 -0.0059 -0.0023 0.0424 -0.0115 0.0041 -0.0094 0.0018 0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0056 -0.0051 0.0000

-0.0058 0.0005 0.0108 0.0023 -0.0118 -0.0115 0.0595 0.0018 0.0213 0.0038 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0022 0.0268 -0.0000

-0.0053 0.0125 -0.0059 -0.0178 -0.0023 0.0041 0.0018 0.0424 -0.0094 -0.0115 0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0056 -0.0003 0.0000

-0.0004 -0.0093 0.0112 0.0112 -0.0004 -0.0094 0.0213 -0.0094 0.1061 0.0213 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0079 0.0757 -0.0000

-0.0058 0.0005 0.0023 0.0108 -0.0118 0.0018 0.0038 -0.0115 0.0213 0.0595 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0022 0.0328 -0.0000

-0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000

-0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000

0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0000 0.0000

-0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0000

-0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000

-0.0002 0.0022 -0.0014 -0.0014 -0.0026 0.0056 -0.0022 0.0056 -0.0079 -0.0022 0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0265 -0.0072 0.0000

-0.0045 -0.0025 -0.0018 -0.0168 -0.0030 -0.0051 0.0268 -0.0003 0.0757 0.0328 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0072 0.1498 -0.0000

0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000

-0.0045 -0.0025 -0.0168 -0.0018 -0.0030 -0.0003 0.0328 -0.0050 0.0758 0.0268 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0072 0.0999 -0.0000

-0.0000 -0.0000 -0.0000 -0.0000 -0.0000 -0.0000 0.0000 -0.0000 0.0000 0.0000 -0.0000 0.0000 -0.0000 0.0000 -0.0000 -0.0000 0.0000 0.0000

Columns 19 through 20

-0.0045 -0.0000

-0.0025 -0.0000

-0.0168 -0.0000

-0.0018 -0.0000

-0.0030 -0.0000

-0.0003 -0.0000

0.0328 0.0000

-0.0050 -0.0000

0.0758 0.0000

0.0268 0.0000

-0.0000 -0.0000

0.0000 0.0000

-0.0000 -0.0000

0.0000 0.0000

0.0000 -0.0000

-0.0072 -0.0000

0.0999 0.0000

-0.0000 0.0000

0.1498 0.0000

0.0000 0.0000

ans =

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0031

0.0124

0.0153

0.0207

0.0228

0.0288

0.0336

0.0433

0.0581

0.0595

0.0691

0.0993

0.3258

0.0188973194385+0.0166546792628\*x+0.0166551806498\*y-0.0330789346353\*z+0.00829401738008\*x\*y+0.0271488403374\*x^2-0.0327513285186\*x\*z-0.0345617296093\*x^2\*z+0.0271499811916\*y^2-0.0425377758803\*x\*y\*z-0.023110310716\*x\*y^2\*z-0.0231120319315\*x^2\*y\*z-0.0171837858393\*x^2\*y^2\*z+0.0466762750248\*x^2\*y^2-0.0144336896518\*x^2\*y^3\*z-0.0144332502228\*x^3\*y^2\*z+0.0266165752671\*x^2\*y^2\*z^2+0.0207016892982\*z^2+0.0190807928105\*x\*z^2+0.0187805459518\*x^2\*z^2+0.0117263768517\*x\*y\*z^2+0.00524600009073\*x\*y^2\*z^2+0.00524627350339\*x^2\*y\*z^2+0.0190821087901\*y\*z^2-0.0327513033763\*y\*z+0.0216496665848\*x^3+0.0178712985683\*x^2\*y+0.0178707079591\*x\*y^2+0.0216484070537\*y^3-0.034561031119\*y^2\*z-0.00179664396685\*z^3+0.0594713147348\*x^4+0.0389926614989\*x^3\*y+0.0389911838464\*x\*y^3+0.0594705437086\*y^4-0.0230531451502\*x^3\*z-0.0230502628315\*y^3\*z+0.0187778658493\*y^2\*z^2-0.00457782797782\*x\*z^3-0.00457728075677\*y\*z^3+0.0273667014507\*z^4+9.95884953491e-06\*x^5+0.053658715585\*x^4\*y+0.21707648647\*x^3\*y^2+0.217067983077\*x^2\*y^3+0.0536578534745\*x\*y^4+9.95835571717e-06\*y^5-2.90970594828e-06\*x^4\*z-0.0145702003191\*x^3\*y\*z-0.0145713306678\*x\*y^3\*z-2.9100349834e-06\*y^4\*z+7.7703846355e-06\*x^3\*z^2+7.77049060376e-06\*y^3\*z^2-2.77550121122e-06\*x^2\*z^3-0.00516032275534\*x\*y\*z^3-2.77601905306e-06\*y^2\*z^3+3.20128493339e-06\*x\*z^4+3.2011889273e-06\*y\*z^4-1.93344093496e-06\*z^5+2.43336728277e-08\*x^6+6.02800024069e-05\*x^5\*y+0.149820415029\*x^4\*y^2+0.199796811106\*x^3\*y^3+0.149812664036\*x^2\*y^4+6.0274470074e-05\*x\*y^5+2.43314638187e-08\*y^6+6.34093291207e-12\*x^5\*z-3.55574935609e-06\*x^4\*y\*z-3.55588389782e-06\*x\*y^4\*z+6.40617775961e-12\*y^5\*z+2.40881615841e-08\*x^4\*z^2+5.53977243336e-05\*x^3\*y\*z^2+5.5397661127e-05\*x\*y^3\*z^2+2.40887755673e-08\*y^4\*z^2+4.20049393368e-12\*x^3\*z^3-4.06638515717e-06\*x^2\*y\*z^3-4.0667038405e-06\*x\*y^2\*z^3+4.23859240668e-12\*y^3\*z^3+2.40469958671e-08\*x^2\*z^4+2.13052740952e-05\*x\*y\*z^4+2.40473564214e-08\*y^2\*z^4+5.83743191888e-12\*x\*z^5+5.79469855885e-12\*y\*z^5+2.41472687384e-08\*z^6

ans =

2.0123e-06