

alphaV	6.28277(49)	6.282722(49)	6.2828(39)	6.2792(64)	4.52(49)	4.47(53)	4.24(60)	4.18(62)	4.18(65)	3.79(78)
betaV	1.46(59)e-8	1.41(55)e-8	1.96(74)e-8	2.57(99)e-7	0.17(15)	0.18(16)	0.25(23)	0.27(24)	0.27(24)	0.43(38)
gammaV	1.07(22)e-2	1.42(26)e-2	1.13(22)e-2	1.02(21)e-2	0.0002(10)	0.00020(89)	0.0002(10)	0.00022(97)	0.0002(12)	0.0002(11)
deltaV	-3.58(10)	-3.49(10)	-3.68(10)	-1.32(16)	4.254(75)	4.264(77)	4.295(61)	4.301(60)	4.300(69)	4.332(51)
rhoV	6.50(24)	6.18(22)	6.38(23)	6.47(24)	9.2(5.7)	9.2(4.9)	9.1(4.9)	9.1(5.0)	9.1(6.2)	9.0(5.4)
sigmaV	14.54(56)	14.75(54)	13.98(52)	13.66(53)	3.30(90)	3.25(91)	2.96(90)	2.89(88)	2.90(89)	2.49(84)
atau	0.320(14)	0.325(14)	0.324(14)	0.323(14)	0.318(16)	0.318(16)	0.318(16)	0.318(16)	0.318(17)	0.320(16)
fitbin	41	42	43	44	45	46	47	48	49	50
dof	31	30	29	28	27	26	25	24	23	22
FCN	38.58377	34.65672	33.19172	33.02656	33.23480	33.18615	32.79318	32.76259	32.76249	31.69025
P – Value	0.1642	0.2553	0.2701	0.2348	0.1896	0.1568	0.1363	0.1092	0.0853	0.0828
Status	Converged	Converged	Converged	Converged	Converged	Converged	Converged	Converged	Converged	Converged
Error Matrix	Not Pos-Def	Not Pos-Def	Not Pos-Def	Not Pos-Def	Accurate	Accurate	Accurate	Accurate	Accurate	Accurate

*) Tolerance was choosen higher than usual. Tol used → 1.0 Normally was set to 0.1

**) Tolerance was choosen higher than usual. Tol used → 10.0 Normally was set to 0.1 and another transformation for the integration was used [NR] p.140, eq. 4.4.8

I used Romberg Integration, how its described in [NR] (p.134)

But instead of the trapezoidal rule, which has to be evaluated at the end – points, I used the extended midpoint evaluation
Furthermore I used the Integral transformation, which was given in [NR] on p.137, eq. 4.4.2, to handle the integration limit +infinity

[NR] - <http://app90s.nrbook.cmecipes/fortran/index.html> (Fortran Numerical R90)

DV Model used → $\exp(-\text{deltaV} - \text{gammaV} * s^{\text{rhoV}}) * \sin(\text{alphaV} + \text{betaV} * s^{\text{sigmaV}})$