frbussupport.Rnw: Create Support Files

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0.1 stdver_varinfo

This code creates the varinfo.csv support file, parsing the data from the fixed format text file "frbus_package/mods/stdver_varinfo" into a data.frame.

```
raw = readLines("frbus_package/mods/stdver_varinfo")
```

Here we define the fixed length fields. The only reference to the original file seems to be in the stochsim program, to determine which are stochastic equations. There seems to be information in this file that is not used anywhere. I've made up names for some fields to use until I find better information.

```
flds = c("seq", "vname", "vdesc", "vtype", "vrule", "sector",
         "var7", "stoch", "var8", "var9", "decomp")
start = c(1,5,16,111,115,117,130,132,135,137,139)
length = c(3,8,94,4,1,13,1,2,1,1,2)
parse = data.frame(flds,start,length)
rownames(parse) = parse$flds
(parse = subset(parse, select = -c(flds)))
##
          start length
## seq
             1
## vname
              5
                     8
             16
                    94
## vdesc
## vtype
                     4
         111
## vrule
          115
                     1
## sector
            117
                     13
## var7
            130
                     1
## stoch
                     2
            132
## var8
            135
                     1
## var9
            137
                      1
            139
                     2
## decomp
```

Using the field definitions that I created above, I transform the file's information into a data.frame.

```
varinfo$decomp = as.numeric(as.character(varinfo$decomp))
str(varinfo)

## 'data.frame': 508 obs. of 11 variables:
## $ seq : num 1 2 3 4 5 6 7 8 9 10 ...
## $ vname : Factor w/ 509 levels "CENG","D01Q4",..: 1 2 3 4 5 6 7 8 9 10 ...
## $ vdesc : Factor w/ 507 levels "10-year expected PCE price inflation (Survey of Professional ## $ vtype : Factor w/ 16 levels "","B","B.1","B.2",..: 6 16 16 16 12 12 12 12 12 12 ...
## $ vrule : Factor w/ 2 levels "","A": 2 1 1 1 1 1 1 1 1 1 ...
## $ sector: Factor w/ 387 levels "","sector_a.1",..: 69 1 1 1 1 1 1 1 1 1 1 1 ...
## $ var7 : num 4 1 1 1 1 1 1 1 1 1 1 ...
## $ stoch : Factor w/ 11 levels "","FN","GV","IN",..: 8 7 7 7 7 7 7 7 7 7 7 7 ...
## $ var8 : num 1 0 0 0 0 0 0 0 0 0 ...
## $ var9 : num 0 1 0 0 0 0 0 0 0 0 ...
## $ decomp: num 16 27 27 27 14 27 14 14 27 27 ...
```

I haven't figured out what most of the varinfo fields are used for but we can examine the values.

varinfo\$vname									
##	[1]	CENG	D01Q4	D2002	D2003	D69	D79A	D8095	
##	[8]	D81	D83	D86	D87	DCON	DDOCKM	DDOCKX	
##	[15]	DELRFF	DEUC	DFMPRR	DFPDBT	DFPEX	DFPSRP	DGLPRD	
##	[22]	DMPALT	DMPEX	DMPGEN	DMPINTAY	DMPRR	DMPSTB	DMPTAY	
##	[29]	DMPTLR	DMPTLUR	DMPTMAX	DMPTPI	DMPTR	DMPTRSH	DPADJ	
##	[36]	DPGAP	DRSTAR	EC	ECD	ECH	ECNIA	ECNIAN	
##	[43]	ECO	EGF	EGFI	EGFIN	EGFIT	EGFL	EGFLN	
##	[50]	EGFLT	EGFN	EGFO	EGFON	EGFOT	EGPDIN	EGS	
##	[57]	EGSI	EGSIN	EGSIT	EGSL	EGSLN	EGSLT	EGSN	
##	[64]	EGS0	EGSON	EGSOT	EH	EHN	EI	EIN	
##	[71]	EM	EMN	EMO	EMON	EMP	EMPN	EMPT	
##	[78]	EPD	EPDN	EPI	EPIN	EPS	EPSN	EX	
##	[85]	EXN	FCBN	FCBRN	FGDP	FGDPT	FNICN	FNILN	
##	[92]	FNIN	FNIRN	FPC	FPCM	FPI10	FPI10T	FPIC	
##	[99]	FPITRG	FPX	FPXM	FPXR	FPXRR	FPXRRT	FRL10	
##	[106]	FRS10	FRSTAR	FTCIN	FXGAP	FYNICN	FYNILN	FYNIN	
##	[113]	GFDBTN	GFDRT	GFINTN	GFS	GFSN	GFSRPN	GFSRT	
##	[120]	GFSUB	GFSUBN	GFT	GFTN	GFTRD	GFTRT	GSDBTN	
##	[127]	GSDRT	GSINTN	GSSRPN	GSSRT	GSSUB	GSSUBN	GST	
##	[134]	GSTN	GSTRD	GSTRT	HGEMP	HGGDP	HGGDPT	HGPCDR	
##	[141]	HGPDR	HGPIR	HGPKIR	HGPPSR	HGVPD	HGVPI	HGVPS	
##	[148]	HGX	HGYNID	HKS	HKSR	HLEPT	HLPRDT	HMFPT	
##	[155]	HQLFPR	HQLWW	HUQPCT	HUXB	HXBT	JCCACN	JCCAN	
##	[162]	JKCD	JRCD	JRH	JRPD	JRPI	JRPS	JYGFEN	
##	[169]	JYGFGN	JYGSEN	JYGSGN	JYNCN	KCD	KH	KI	

##	[176]	KDD	KPI	KPS	KS	LEF	LEFT	LEH
##		LEO	LEP	LEPPOT	LES	LEST	LEUC	LF
##		LFPR	LHP	LPRDT	LQUALT	LUR	LURBLS	LURNAT
##		LURTRSH	LWW	MEI	MEP	MFPT	N16	PCDR
##		PCENG	PCENGR	PCER	PCFR	PCFRT	PCHR	PCNIA
##		PCOR	PCPI	PCPIX	PCSTAR	PCXFE	PGDP	PGFIR
##		PGFL	PGFOR	PGSIR	PGSL	PGSOR	PHOUSE	PHR
##		PIC4	PICNGR	PICNIA	PICX4	PICXFE	PIECI	PIGDP
##		PIPL	PIPXNC	PITARG	PITRSH	PKIR	PKPDR	PL
##	[239]	PLMIN	PLMINR	PMO	PMP	POIL	POILR	POILRT
##	[246]	PPDR	PPIR	PPSR	PTR	PWSTAR	PXB	PXG
##	[253]	PXNC	PXP	PXR	QEC	QECD	QECO	QEH
##	[260]	QEPD	QEPI	QEPS	QKIR	QLEOR	QLEP	QLF
##	[267]	QLFPR	QLHP	QLWW	QPCNIA	QPL	QPMO	QPXG
##	[274]	QPXNC	QPXP	QYNIDN	RBBB	RBBBE	RBBBP	RCAR
##	[281]	RCCD	RCCH	RCGAIN	REQ	REQP	RFF	RFFALT
##	[288]	RFFE	RFFFIX	RFFGEN	RFFINTAY		RFFRULE	RFFTAY
##	[295]	RFFTLR	RFNICT	RFRS10	RFYNIC	RFYNIL	RG10	RG10E
##	[302]	RG10P	RG30	RG30E	RG30P	RG5	RG5E	RG5P
##	[309]	RGFINT	RGW	RME	RPD	RRFFE	RRFIX	RRMET
##	[316]	RRTR	RSPNIA	RSTAR	RTB	RTBE	RTINV	RTPD
##	[323]	RTPI	RTPS	RTR	T47	TAPDAD	TAPDD	TAPDDP
##	[330]	TAPDS	TAPDT	TAPSAD	TAPSDA	TAPSSL	TFCIN	TFDIV
##	[337]	TFIBN	TFPN	TFSIN	TRFCI	TRFCIM	TRFIB	TRFP
##	[344]	TRFPM	TRFPT	TRFPTX	TRFSI	TRSCI	TRSCIT	TRSIB
##	[351]	TRSIBT	TRSP	TRSPP	TRSPT	TRSPTX	TRSSI	TRSSIT
##	[358]	TRYH	TSCIN	TSIBN	TSPN	TSSIN	UCES	UCFS
##	[365]	UEMOT	UEMP	UFCBR	UFNIR	UFPCM	UFPXM	UFTCIN
##	[372]	UGFDBT	UGSDBT	UGSINT	UGSSUB	UJCCA	UJCCAC	UJYGFE
##	[379]	UJYGFG	UJYGSE	UJYGSG	ULEF	ULES	UPCPI	UPCPIX
##	[386]	UPGFL	UPGSL	UPKPD	UPMP	UPXB	UQPCT	UVEOA
##	[393]	UVPD	UVPI	UVPS	UXBT	UXENG	UYD	UYHI
##	[400]	UYHLN	UYHPTN	UYHSN	UYHTN	UYL	UYNI	UYNICP
##	[407]	UYP	UYSEN	VEO	VEOA	VPD	VPI	VPS
##	[414]	WDNFCN	WPO	WPON	WPS	WPSN	XB	XBN
##	[421]	XBO	XBT	XENG	XFS	XFSN	XG	XGAP
##	[428]	XGAP2	XGDE	XGDEN	XGDI	XGDIN	XGDO	XGDP
##	[435]	XGDPN	XGDPT	XGDPTN	XGN	XGO	XGPOT	XP
##	[442]	XPN	YCSN	YDN	YGFSN	YGSSN	YH	YHGAP
##	[449]	YHIBN	YHIN	YHL	YHLN	YHP	YHPCD	YHPGAP
##	[456]	YHPNTN	YHPSHR	YHPTN	YHSHR	YHSN	YHT	YHTGAP
##	[463]	YHTN	YHTSHR	YKIN	YKPDN	YKPSN	YMSDN	YNICPN
##	[470]	YNIDN	YNIIN	YNILN	YNIN	YNISEN	YPN	ZDIVGR
##	[477]	ZECD	ZECO	ZEH	ZGAP05	ZGAP10	ZGAP30	ZGAPC2
##	[484]	ZLHP	ZPI10	ZPI10F	ZPI5	ZPIB5	ZPIC30	ZPIC58

```
## [491] ZPICXFE ZPIECI ZRFF10 ZRFF30 ZRFF5 ZVPD ZVPI
## [498] ZVPS
              ZXBD
                      ZXBI
                             ZXBS
                                     ZYH
                                             ZYHP
                                                    ZYHPST
## [505] ZYHST ZYHT
                      ZYHTST ZYNID
## 509 Levels: CENG D01Q4 D2002 D2003 D69 D79A D8095 D81 D83 D86 D87 ... ZZZBLANK
table(varinfo$vtype)
##
     B B.1 B.2 B.3 B.4 B.6 B.7 I I.3 X.1 X.2 X.3 X.4 X.5 X.7
## 0 54 12 1 1 73 1 4 239 1 3 72 34 6 1 6
table(varinfo$vrule)
##
##
      Α
## 126 382
str(varinfo$sector)
## Factor w/ 387 levels "","sector_a.1",..: 69 1 1 1 1 1 1 1 1 1 1 ...
summary(varinfo$var7)
## Min. 1st Qu. Median Mean 3rd Qu. Max. NA's
                                      5.0
    1.0 1.0 4.0 2.7 4.0
table(varinfo$var7)
##
## 1 2 3 4 5
## 201 25 3 274 1
table(varinfo$stoch)
##
## FN GV IN IS LB NO OT PR RW ST
## 0 12 15 4 10 7 437 10 9 2
table(varinfo$var8)
##
## 0 1 2 7
## 413 90 1 1
table(varinfo$var9)
##
## 0 1 2 3 4
## 370 24 80 21 10
```

```
table(varinfo$decomp)
##
  1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
##
## 30 2 33 5 5 4 12
                        4 7 7 11 3 24 49 34 8 8 30 2 11 16 53 44 26 17
## 26 27 28 29
## 32 18 12 1
table(varinfo$vtype, varinfo$stoch)
##
##
                 GV
                                     OT
                                         PR
             FN
                     IN
                         IS
                             LB
                                 NO
                                             RW
                                                 ST
##
          0
              0
                  0
                      0
                          0
                              0
                                  0
                                      0
                                          0
                                              0
                                                  0
##
    В
          0
              0
                  0
                      0
                          0
                                 46
                                      0
                                                  2
##
    B.1
          0
              3
                  5
                      0
                          0
                              0
                                  2
                                      0
                                          2
                                              0
                                                  0
    B.2
##
          0
              0
                  0
                      0
                          0
                              0
                                      0
                                          0
                                              0
                                                  0
##
    В.3
          0
              0
                  0
                      0
                          0
                              0
                                      0
                                          0
                                              0
                                                  0
                                 1
##
    B.4
                10
                      4
                        10
                                 21
                                     10
                                                  0
##
    B.6
          0
              0
                  0
                      0
                          0
                              0
                                 1
                                      0
                                          0
                                              0
                                                  0
##
    B.7
          0
              0
                  0
                      0
                          0
                              1
                                  3
                                      0
                                          0
                                              0
                                                  0
          0
              0
                  0
                     0
                         0
                              0 239
                                      0
                                          0
                                              0
                                                  0
##
    Ι
##
    I.3
          0
              0
                  0
                     0 0
                              0
                                 1
                                      0
                                          0
                                              0
                                                  0
    X.1
##
          0
              0
                  0
                      0
                          0
                              0
                                  3
                                      0
                                          0
                                              0
                                                  0
##
    X.2
          0
              0
                 0
                     0
                         0
                              0
                                 72
                                      0
                                          0
                                             0
                                                  0
##
    Х.З
         0
              0
                0 0 0
                              0 34
                                     0
                                         0
                                            0
                                                  0
##
                  0
                      0 0
                              0
                                     0 0
                                                  0
    X.4
         0
              0
                                6
                                            0
                                1
##
    X.5
              0
                  0
                      0
                          0
                              0
                                     0 0
                                            0
                                                  0
          0
##
    X.7
          0
              0
                  0
                      0
                          0
                              0
                                  6
                                     0
                                          0
                                              0
                                                  0
table(varinfo$var7, varinfo$var9)
##
##
                2
                    3
                        4
        0
            1
##
    1 201
            0
                0
                    0
                        0
    2
##
        4
            0
               21
                    0
                        0
##
    3
        2
            0
                0
                        0
                    1
           24
##
    4 161
               59
                   20
                       10
##
     5
        1
            0
                0
                    0
                        0
table(varinfo$var7, varinfo$stoch)
##
           FN
                                       PR
##
               GV
                   IN
                       IS LB NO
                                   OT
                                           RW
                                               ST
##
    1
        0
           10
                9
                    0
                        0
                            5 173
                                    0
                                        2
                                            1
                                                1
##
    2
        0
            2
                0
                    0
                        0
                              23
                                    0
                                        0
                                            0
                                                0
                            0
##
    3
        0
            0
                0
                    0
                        0
                            0
                                3
                                    0
                                        0
                                            0
                                                0
                6
                            2 233
                                        7
##
    4
        0
            0
                    4
                       10
                                   10
                                            1
                                                1
    5
           0 0
                    0
##
        0
                       0
                            0
                                1
                                    0
                                        0
                                           0
```

```
table(varinfo$var8, varinfo$stoch)
##
##
        FN GV IN IS LB NO OT PR RW ST
## 0 0 12 9
                  5 383
                           2 1 1
             0 0
                        0
                  2 50 10 7 1 1
## 1 0 0
             3 10
## 2 0 0 0
             0 0 0 1 0 0 0 0
               0 0 0
  7 0
##
        0
          0
             1
                        0
                           0 0
table(varinfo$var9,varinfo$stoch)
##
##
        FN GV IN IS LB NO OT PR RW ST
   0 0 12 15
##
             4 10
                   7 299
                        10
                           9
##
  1 0 0
           0
             0
                0
                   0 24
                        0
                           0
## 2 0 0 0
             0 0
                  0 80
                        0
                           0
                             0
## 3 0
        0 0 0 0 0 21
                       0
                           0 0 0
 4 0 0 0 0 0 0 10 0
                           0 0
##
```

Here we create the support file from the data.frame.

```
write.csv(varinfo, "support/varinfo.csv")
```

0.2 stdver_coeffs.txt

```
coeffs["y_emo","vec"][[1]][3]

## [1] 1.352328

coeffs["y_emo","len"]

## [1] 6

length(coeffs["y_emo","vec"][[1]]))

## [1] 6

# rownames(coeffs)
# coeffstvec
# coeffs = subset(coeffs, select=c(vec))
# str(coeffs)
# coeffs["y_emo"]
# coeffstvec["y_emo"]
```

$0.3 ext{ stdver_eqs.txt}$

```
raw = readLines("frbus_package/mods/stdver_eqs.txt")
raw2 = paste(raw[which(raw!="" & raw!="theend")], collapse="<endline>")
raw3 = gsub(" *_<endline> *", " ", raw2)
raw4 = gsub("[[:space:]]+", " ", raw3)
raw5 = strsplit(raw4, "<endline>")
raw6 = raw5[[1]]
gsub(":.*$", "", raw6)
##
    [1] "ceng"
                    "delrff"
                               "dmptlur" "dmptmax"
                                                     "dmptpi"
                                                                "dmptr"
                               "ec"
   [7] "dpadj"
                    "dpgap"
                                          "ecd"
                                                     "ech"
                                                                "ecnia"
                                                     "egfin"
##
   [13] "ecnian"
                    "eco"
                               "egf"
                                          "egfi"
                                                                "egfit"
   [19] "egfl"
                    "egfln"
                               "egflt"
                                          "egfn"
                                                     "egfo"
                                                                "egfon"
                                                     "egsin"
##
   [25] "egfot"
                    "egpdin"
                               "egs"
                                          "egsi"
                                                                "egsit"
                               "egslt"
   [31] "egsl"
                    "egsln"
                                          "egsn"
                                                     "egso"
                                                                "egson"
   [37] "egsot"
                    "eh"
                               "ehn"
                                          "ei"
                                                     "ein"
                                                                "em"
##
                    "emo"
                                          "emp"
   [43] "emn"
                               "emon"
                                                     "empn"
                                                                "empt"
                                                     "eps"
##
   [49] "epd"
                    "epdn"
                               "epi"
                                          "epin"
                                                                "epsn"
   [55] "ex"
                    "exn"
                               "fcbn"
                                          "fcbrn"
                                                     "fgdp"
                                                                "fgdpt"
##
   [61] "fnicn"
                    "fniln"
                               "fnin"
                                          "fnirn"
                                                     "fpc"
                                                                "fpcm"
##
##
   [67] "fpi10"
                    "fpi10t"
                               "fpic"
                                          "fpx"
                                                     "fpxm"
                                                                "fpxr"
   [73] "fpxrr"
                    "frl10"
                               "frs10"
                                          "frstar"
                                                     "ftcin"
                                                                "fxgap"
   [79] "fynicn"
                               "fynin"
                                          "gfdbtn"
                                                     "gfintn"
                                                                "gfs"
##
                    "fyniln"
```

##	[85]	"gfsn"	"gfsrpn"	"gfsub"	"gfsubn"	"gft"	"gftn"
##	[91]	"gftrd"	"gsdbtn"	"gsintn"	"gssrpn"	"gssub"	"gssubn"
##	[97]	"gst"	"gstn"	"gstrd"	"hgemp"	"hggdp"	"hggdpt"
##	[103]	"hgpdr"	"hgpir"	"hgpkir"	"hgppsr"	"hgvpd"	"hgvpi"
##	[109]	"hgvps"	"hgx"	"hgynid"	"hks"	"hlept"	"hlprdt"
##	[115]	"hmfpt"	"hqlfpr"	"hqlww"	"huqpct"	"huxb"	"hxbt"
##	[121]	"jccacn"	"jccan"	"jkcd"	"jygfen"	"jygfgn"	"jygsen"
##	[127]	"jygsgn"	"jyncn"	"kcd"	"kh"	"ki"	"kpd"
##	[133]	"kpi"	"kps"	"ks"	"lef"	"left"	"leh"
##	[139]	"leo"	"lep"	"leppot"	"les"	"lest"	"lf"
##	[145]	"lfpr"	"lhp"	"lprdt"	"lur"	"lurbls"	"lurnat"
##	[151]	"lww"	"mei"	"mep"	"mfpt"	"pcdr"	"pceng"
##	[157]	"pcengr"	"pcer"	"pcfr"	"pchr"	"pcnia"	"pcor"
##	[163]	"pcpi"	"pcpix"	"pcxfe"	"pgdp"	"pgfir"	"pgfl"
##	[169]	"pgfor"	"pgsir"	"pgsl"	"pgsor"	"phouse"	"phr"
##	[175]	"pic4"	"picngr"	"picnia"	"picx4"	"picxfe"	"pieci"
##	[181]	"pigdp"	"pipl"	"pipxnc"	"pkpdr"	"pl"	"plmin"
##	[187]	"pmo"	"pmp"	"poil"	"poilr"	"ppdr"	"ppir"
##	[193]	"ppsr"	"ptr"	"pwstar"	"pxb"	"pxg"	"pxnc"
##	[199]	"pxp"	"pxr"	"qec"	"qecd"	"qeco"	"qeh"
##	[205]	"qepd"	"qepi"	"qeps"	"qkir"	"qlep"	"qlf"
##	[211]	"qlfpr"	"qlhp"	"qlww"	"qpcnia"	"qpl"	"qpmo"
##	[217]	"qpxg"	"qpxnc"	"qpxp"	"qynidn"	"rbbb"	"rbbbe"
##	[223]	"rbbbp"	"rcar"	"rccd"	"rcch"	"rcgain"	"req"
##	[229]	"reqp"	"rff"	"rffalt"	"rffe"	"rffgen"	"rffintay"
##	[235]	"rffrule"	"rfftay"	"rfftlr"	"rfynic"	"rfynil"	"rg10"
##	[241]	"rg10e"	"rg10p"	"rg30"	"rg30e"	"rg30p"	"rg5"
##	[247]	"rg5e"	"rg5p"	"rgfint"	"rgw"	"rme"	"rpd"
##	[253]	"rrffe"	"rrmet"	"rrtr"	"rspnia"	"rstar"	"rtb"
##	[259]	"rtbe"	"rtinv"	"rtpd"	"rtpi"	"rtps"	"rtr"
##	[265]	"tapdd"	"tapsda"	"tfcin"	"tfibn"	"tfpn"	"tfsin"
##	[271]	"trfci"	"trfp"	"trfpt"	"trsci"	"trsib"	"trsp"
##	[277]	"trspt"	"trssi"	"tryh"	"tscin"	"tsibn"	"tspn"
##	[283]	"tssin"	"uces"	"ucfs"	"uqpct"	"uxbt"	"veo"
##	[289]	"veoa"	"vpd"	"vpi"	"vps"	"wdnfcn"	"wpo"
##	[295]	"wpon"	"wps"	"wpsn"	"xb"	"xbn"	"xbo"
	[301]	"xbt"	"xeng"	"xfs"	"xfsn"	"xg"	"xgap"
		"xgap2"	"xgde"	"xgden"	"xgdi"	"xgdin"	"xgdo"
##	[313]		"xgdpn"	"xgdpt"	"xgdptn"	"xgn"	"xgo"
##		"xgpot"	"xp"	"xpn"	"ycsn"	"ydn"	"ygfsn"
		"ygssn"	"yh"	"yhgap"	"yhibn"	"yhin"	"yhl"
##		"yhln"	"yhp"	"yhpcd"	"yhpgap"	"yhpntn"	"yhpshr"
##	[337]		"yhshr"	"yhsn"	"yht"	"yhtgap"	"yhtn"
##	[343]		"ykin" "yniln"	"ykpdn" "ynin"	"ykpsn" "ynisen"	"ynicpn" "ypn"	"ynidn"
##	[349]						"zdivgr"

##

```
## [355] "zecd"
                                              "zeco"
                                                                        "zeh"
                                                                                                  "zgap05"
                                                                                                                           "zgap10"
                                                                                                                                                     "zgap30"
                                                                                                 "zpi10f"
                                                                                                                           "zpi5"
                                                                                                                                                     "zpib5"
## [361] "zgapc2"
                                              "zlhp"
                                                                        "zpi10"
                                                                                                                           "zrff10"
                                                                                                                                                     "zrff30"
## [367] "zpic30"
                                              "zpic58"
                                                                        "zpicxfe"
                                                                                                 "zpieci"
                                                                                                                                                    "zxbi"
## [373] "zrff5"
                                              "zvpd"
                                                                        "zvpi"
                                                                                                 "zvps"
                                                                                                                           "zxbd"
## [379] "zxbs"
                                              "zyh"
                                                                        "zyhp"
                                                                                                 "zyhpst"
                                                                                                                           "zyhst"
                                                                                                                                                     "zyht"
## [385] "zyhtst"
                                              "zynid"
raw6
            [1] "ceng: d( log(ceng), 0, 1) - ceng_aerr = y_ceng(1) * (log(ceng(-1)) - log(xg(-1)))
##
            [2] "delrff: delrff - delrff_aerr = rff - rff(-1) "
            [3] "dmptlur: dmptlur - dmptlur_aerr = 1/(1+exp(y_dmptlur(1)*(lur-lurtrsh))) "
##
            [4] "dmptmax: dmptmax - dmptmax_aerr = (@recode((dmptlur)>(dmptpi),dmptlur,dmptpi
##
##
           [5] "dmptpi: dmptpi - dmptpi_aerr = 1/(1+exp(y_dmptpi(1)*(zpic58-pitrsh))) "
##
           [6] "dmptr: dmptr - dmptr_aerr = (@recode((dmptmax)>(dmptr(-1)),dmptmax,dmptr(-1)
           [7] "dpadj: dpadj - dpadj_aerr - dpadj(-1) = y_{dpadj}(1) * dpgap(-1) "
##
           [8] "dpgap: dpgap - dpgap_aerr = pipxnc/400 - (.5 * (ehn/(xpn - ecnian) + ehn(-1))
##
           [9] "ec: log(ec) - ec_aerr = log(ec(-1)) + .5 * (pcor*pcnia*eco/(ec*pcnia) + pcor
##
##
         [10] "ecd: d( log(ecd), 0, 1) - ecd_aerr = y_{ecd}(1) * log(qecd(-1)/ecd(-1)) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1) + y_{ecd}(1) * log(qecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(-1)/ecd(
         [11] "ech: d((ech)/kh(-1), 0, 1) - ech_aerr = y_ech(1) + y_ech(2) * ech(-1)/kh(-1)
##
         [12] "ecnia: log(ecnia) - ecnia_aerr = log(ecnia(-1)) + .5 * .01 * (pcor*pcnia*eco
##
         [13] "ecnian: ecnian - ecnian_aerr = .01*pcnia*ecnia"
##
         [14] "eco: d( log(eco), 0, 1) - eco_aerr = (y_eco(1) * log(qeco(-1)/eco(-1)) + y_e
##
         [15] "egf: log(egf) - egf_aerr = log(egf(-1)) + .5 * (egfon/egfn + egfon(-1)/egfn(-1))
##
         [16] "egfi: d( log(egfi), 0, 1 ) - egfi_aerr = y_egfi(1) + y_egfi(2) * log(egfi(-1
##
         [17] "egfin: egfin - egfin_aerr = .01 * pxp * pgfir * egfi "
         [18] "egfit: d( log(egfit), 0, 1 ) - egfit_aerr = y_egfit(1) + y_egfit(2) * log(.0
##
         [19] "egfl: d( log(egfl), 0, 1 ) - egfl_aerr = y_{egfl}(1) + y_{egfl}(2) * log(egfl(-1))
##
##
         [20] "egfln: egfln - egfln_aerr = .01 * pgfl * egfl "
         [21] "egflt: d( log(egflt), 0, 1) - egflt_aerr = y_{egflt}(1) + y_{egflt}(2) * log(.0)
##
         [22] "egfn: egfn - egfn_aerr = egfln + egfin + egfon "
         [23] "egfo: d( log(egfo), 0, 1 ) - egfo_aerr = y_egfo(1) + y_egfo(2) * log(egfo(-1))
##
         [24] "egfon: egfon - egfon_aerr = .01 * pxp * pgfor * egfo "
         [25] "egfot: d( log(egfot), 0, 1 ) - egfot_aerr = y_egfot(1) + y_egfot(2) * log(.0
##
         [26] "egpdin: egpdin - egpdin_aerr = epdn + epsn + epin + ehn + ein "
         [27] "egs: log(egs) - egs_aerr = log(egs(-1)) + .5 * (egson/egsn + egson(-1)/egsn(-1))
##
##
         [28] "egsi: d(log(egsi), 0, 1) - egsi_aerr = y_egsi(1) + y_egsi(2) * log(egsi(-1
##
         [29] "egsin: egsin - egsin_aerr = .01 * pxp * pgsir * egsi "
         [30] "egsit: d( log(egsit), 0, 1 ) - egsit_aerr = y_egsit(1) + y_egsit(2) * log(.0
##
##
         [31] "egsl: d(log(egsl), 0, 1) - egsl_aerr = y_egsl(1) + y_egsl(2) * log(egsl(-1)) + y_egsl(-1) + y_egsl(-1) + y_egsl(-1) + y_egsl(-1) + y_egsl(-1) + y_egsl(-1) + y_egs
##
         [32] "egsln: egsln - egsln_aerr = .01 * pgsl * egsl"
##
         [33] "egslt: d( log(egslt), 0, 1 ) - egslt_aerr = y_egslt(1) + y_egslt(2) * log(.0
##
         [34] "egsn: egsn - egsn_aerr = egsln + egsin + egson "
##
         [35] "egso: d(log(egso), 0, 1) - egso_aerr = y_egso(1) + y_egso(2) * log(egso(-1))
         [36] "egson: egson - egson_aerr = .01 * pxp * pgsor * egso "
```

[37] "egsot: d(log(egsot), 0, 1) - egsot_aerr = y_egsot(1) + y_egsot(2) * log(.0

```
[38] "eh: d( log(eh), 0, 1) - eh_aerr = y_eh(1) * log(qeh(-1)/eh(-1)) + y_eh(2) * d( log(eh)) + y_eh
                         [39] "ehn: ehn - ehn_aerr = .01 * phr * pxp * eh "
                        [40] "ei: ei - ei_aerr = 4*d( ki, 0, 1 ) "
                    [41] "ein: ein - ein_aerr = .01*pxp*pkir*ei "
                        [42] "em: \log(em) - em_aerr = \log(em(-1)) + .5 * (emon/emn + emon(-1)/emn(-1)) * d(log(emo),
                         [43] "emn: emn - emn_aerr = emon + empn "
##
                         [44] "emo: d( log(emo), 0, 1) - emo_aerr = y_{emo}(1) + y_{emo}(2) * log(emo(-1)*(pmo(-1)/100)/(emo) = 0
                         [45] "emon: emon - emon_aerr = .01 * pmo * emo "
                         [46] "emp: emp - emp_aerr = uemp*(ceng-xeng) "
                         [47] "empn: empn - empn_aerr = .01*pmp*emp "
                         [48] "empt: d(log(empt), 0, 1) - empt_aerr = y_empt(1) * log(emp(-1)/empt(-1)) + y_empt(2) * log(empt) + y_empt(2) * log(emp
                         [49] "epd: d(log(epd), 0, 1) - epd_aerr = (y_epd(1)*(log(qepd(-2)/epd(-2))) + (y_epd(2))*
                         [50] "epdn: epdn - epdn_aerr = 0.01*ppdr*pxp*epd "
                         [51] "epi: d( log(epi), 0, 1) - epi_aerr = (y_{epi}(1)*(log(qepi(-2)/epi(-2))) + (y_{epi}(2))*(log(epi), 0, 1) + (y_{epi}(2)
                         [52] "epin: epin - epin_aerr = 0.01*ppir*pxp*epi "
                         [53] "eps: d(log(eps), 0, 1) - eps_aerr = (y_eps(1) * log(qeps(-2)/eps(-2)) + (y_eps(2) * eps(-2)/eps(-2)) + (y_eps(-2)/eps(-2)/eps(-2)) + (y_eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2)/eps(-2
                         [54] "epsn: epsn - epsn_aerr = .01 * ppsr * pxp * eps "
                         [55] "ex: d( log(ex), 0, 1) - ex_aerr = y_ex(1) + y_ex(2) * log(ex(-1)*(pxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*fpxr(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*pxp(-1)*
                        [56] "exn: exn - exn_aerr = .01*pxp*pxr*ex "
                         [57] "fcbn: fcbn - fcbn_aerr = exn - emn + fynin + fcbrn "
                         [58] "fcbrn: fcbrn - fcbrn_aerr = ufcbr*pxg*xgpot/100 "
##
                         [59] "fgdp: fgdp - fgdp_aerr = fgdpt*exp(fxgap/100) "
                         [60] "fgdpt: d(log(fgdpt), 0, 1) - fgdpt_aerr = y_fgdpt(1) + y_fgdpt(2) * log(fgdpt(-1)/xgdpt(-1)) + y_fgdpt(2) + y_fgdp
                         [61] "fnicn: d(fnicn, 0, 1)/xgdptn - fnicn_aerr = .54 * d(log(fpc), 0, 1)*fnicn(-1)/xgdptn - fnicn_aerr = .54 * d(log(fpc), 0, 1)*fnicn(-1)/
                         [62] "fniln: fniln - fniln_aerr = fnicn - fnin "
                        [63] "fnin: d(fnin, 0, 1) - fnin_aerr = .25*fcbn + .54*(d(log(fpc), 0, 1)*fnicn(-1)) -
                        [64] "fnirn: fnirn - fnirn_aerr = ufnir * xgdpn "
                         [65] "fpc: fpc - fpc_aerr = fpc(-1)*exp(fpic/400)"
                         [66] "fpcm: fpcm - fpcm_aerr = ufpcm*fpc "
                         [67] "fpi10: fpi10-fpi10_aerr = y_fpi10(1) * ( (fpi10(-1) + fpi10(-2) + fpi10(-3) + fpi10(-4)
##
                         [68] "fpi10t: fpi10t-fpi10t_aerr = y_fpi10t(1) * fpi10t(-1) + y_fpi10t(2) * fpi10 "
                        [69] "fpic: fpic-fpic_aerr = y_fpic(1) + y_fpic(2) * fpi10 + y_fpic(3) * fpic(-1) "
##
                         [70] "fpx: fpx - fpx_aerr = fpxr*fpc/pcpi "
                         [71] "fpxm: fpxm - fpxm_aerr = ufpxm*fpx*fpcm/fpc "
                         [72] "fpxr: log(fpxr) - fpxr_aerr - log(fpxrr) = y_fpxr(1)*(rg10e-zpi10f-frl10+fpi10t) + y_fpxr_aerr - log(fpxrr) = y_fpxr_aerr - log(fpxrr) + y_fpxr_aerr - l
                        [73] "fpxrr: d( log(fpxrr), 0, 1 ) - fpxrr_aerr = y_fpxrr(1) * log(fpxrrt(-1)/fpxrr(-1)) + y_
                        [74] "frl10: frl10 - frl10(-1) - frl10_aerr = y_frl10(1) + y_frl10(2) * (frl10(-1) - frs10(-1)
                        [75] "frs10: frs10 - frs10_aerr = dfmprr * (y_frs10(1) + y_frs10(2) * frstar(-1) + y_frs10(3)
                         [76] "frstar: frstar - frstar_aerr = y_frstar(1) * frstar(-1) + y_frstar(2) * (frs10 - (fpi:
                         [77] "ftcin: ftcin - ftcin_aerr = uftcin * ynicpn "
                         [78] "fxgap: fxgap - fxgap_aerr = + y_fxgap(1) * fxgap(-1) + y_fxgap(2) * fxgap(-2) + y_fxgap(-2)
                         [79] "fynicn: fynicn - fynicn_aerr = .01*rfynic*fnicn(-1) "
                         [80] "fyniln: fyniln - fyniln_aerr = .01*rfynil*fniln(-1) "
                         [81] "fynin: fynin - fynin_aerr = fynicn - fyniln "
                    [82] "gfdbtn: gfdbtn - gfdbtn_aerr = ugfdbt*(gfdbtn(-1) - .25*gfsrpn + .25*egfin - .25*jygfgr
```

```
[83] "gfintn: gfintn - gfintn_aerr = rgfint*gfdbtn(-1) "
      [84] "gfs: d( log(gfs), 0, 1) - gfs_aerr = y_gfs(1) + y_gfs(2) * log(gfsn(-1)/xgdg)
      [85] "gfsn: gfsn - gfsn_aerr = .01*pgdp*gfs "
      [86] "gfsrpn: gfsrpn - gfsrpn_aerr = tfpn + tfcin + tfibn + tfsin + tfdiv - egfln
##
      [87] "gfsub: d( log(gfsub), 0, 1 ) - gfsub_aerr = y_gfsub(1) + y_gfsub(2) * log(gfsub)
      [88] "gfsubn: gfsubn - gfsubn_aerr = .01*pgdp*gfsub "
##
      [89] "gft: gft - gft_aerr = (gftrd+gftrt)*xgdpt "
      [90] "gftn: gftn - gftn_aerr = .01*pgdp*gft "
      [91] "gftrd: gftrd - gftrd_aerr = y_gftrd(1) + y_gftrd(2) * gftrd(-1) + y_gftrd(3)
      [92] "gsdbtn: gsdbtn - gsdbtn_aerr = ugsdbt*(gsdbtn(-1) - .25*gssrpn + .25 * egsin
##
      [93] "gsintn: gsintn - gsintn_aerr = rgfint*gsdbtn(-1) + ugsint*xbn "
     [94] "gssrpn: gssrpn - gssrpn_aerr = tspn + tscin + tsibn + tssin + gfsn - egsln -
      [95] "gssub: gssub - gssub_aerr = ugssub*xgdpt "
##
      [96] "gssubn: gssubn - gssubn_aerr = .01*pgdp*gssub "
     [97] "gst: gst - gst_aerr = (gstrd+gstrt)*xgdpt "
     [98] "gstn: gstn - gstn_aerr = .01*pgdp*gst "
     [99] "gstrd: gstrd - gstrd_aerr = y_gstrd(1) + y_gstrd(2) * gstrd(-1) + y_gstrd(3)
## [100] "hgemp: hgemp - hgemp_aerr = y_hgemp(1) * hgemp(-1) + y_hgemp(2) * 400*log(em
## [101] "hggdp: hggdp - hggdp_aerr = 400*d( log(xgdp), 0, 1 ) "
## [102] "hggdpt: hggdpt - hggdpt_aerr = hxbt + huxb "
## [103] "hgpdr: hgpdr - hgpdr_aerr = y_hgpdr(1) * hgpdr(-1) + y_hgpdr(2) * 400*log(ppdr(2) + 400*lo
## [104] "hgpir: hgpir - hgpir_aerr = y_hgpir(1) * hgpir(-1) + y_hgpir(2) * 400*log(pp
## [105] "hgpkir: hgpkir - hgpkir_aerr = y_hgpkir(1) * hgpkir(-1) + y_hgpkir(2) * 400*
## [106] "hgppsr: hgppsr - hgppsr_aerr = y_hgppsr(1) * hgppsr(-1) + y_hgppsr(2) * 400*
## [107] "hgvpd: hgvpd - hgvpd_aerr = y_hgvpd(1) * hgvpd(-1) + y_hgvpd(2) * log(vpd/vpd
## [108] "hgvpi: hgvpi - hgvpi_aerr = y_hgvpi(1) * hgvpi(-1) + y_hgvpi(2) * log(vpi/vp
## [109] "hgvps: hgvps - hgvps_aerr = y_hgvps(1) * hgvps(-1) + y_hgvps(2) * log(vps/vp.
## [110] "hgx: hgx - hgx_aerr = (.7*(hlept + hqlww + 400*d( log(lqualt), 0, 1 )) + .26
## [111] "hgynid: hgynid - hgynid_aerr = 400*d( log((ynicpn-tfcin-tscin)*.5/pxg), 0, 1
## [112] "hks: hks - hks_aerr = 400 * (ykpdn * d(log(kpd), 0, 1) + ykpsn * d(log(kp.
## [113] "hlept: hlept - hlept_aerr = (1-dmpstb) * 400 * (hqlfpr * n16 * (1-.01*lurnat
## [114] "hlprdt: hlprdt - hlprdt_aerr = hgx - hlept - hqlww "
## [115] "hmfpt: hmfpt - hmfpt_aerr = y_hmfpt(1) + y_hmfpt(2)*hmfpt(-1) "
## [116] "hqlfpr: hqlfpr - hqlfpr_aerr = y_hqlfpr(1) + y_hqlfpr(2)*hqlfpr(-1) "
## [117] "hqlww: hqlww - hqlww_aerr = y_hqlww(1) * hqlww(-1) + (1-y_hqlww(1)) * y_hqlw
## [118] "huqpct: huqpct - huqpct_aerr = y_huqpct(1) + y_huqpct(2)*huqpct(-1) "
## [119] "huxb: huxb - huxb_aerr = (1-dglprd) *(y_huxb(1) + y_huxb(2)*huxb(-1)) "
## [120] "hxbt: hxbt - hxbt_aerr = ( hgx - .5 *(.035*empn/(.01*pceng*ceng) + .035*empn
## [121] "jccacn: jccacn - jccacn_aerr = ujccac*(jccan - jygfgn - jygfen - jygsgn - jy
## [122] "jccan: jccan - jccan_aerr = jygfgn + jygfen + jygsgn + jygsen + .01*ujcca*px
## [123] "jkcd: jkcd - jkcd_aerr = jrcd * kcd(-1) "
## [124] "jygfen: jygfen - jygfen_aerr = ujygfe * (.01 * pgdp * xgdpt) "
## [125] "jygfgn: jygfgn - jygfgn_aerr = ujygfg * (.01 * pgdp * xgdpt) "
## [126] "jygsen: jygsen - jygsen_aerr = ujygse * (.01 * pgdp * xgdpt) "
## [127] "jygsgn: jygsgn - jygsgn_aerr = ujygsg * (.01 * pgdp * xgdpt) "
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## [128] "jyncn: jyncn - jyncn_aerr = jccan - jccacn - jygfgn - jygfgn - jygsgn - jy
## [129] "kcd: kcd - kcd_aerr = .25*ecd + (1-jrcd/4)*kcd(-1) "
## [130] "kh: kh - kh_aerr = .25*eh + (1-jrh/4)*kh(-1) "
## [131] "ki: d( log(ki), 0, 1 ) - ki_aerr = y_ki(5) + y_ki(1) * (log(qkir) - log(ki(-1)/xfs(-1))
## [132] "kpd: kpd - kpd_aerr = 0.25 * epd + (1-jrpd/4) * kpd(-1) "
## [133] "kpi: kpi - kpi_aerr = 0.25 * epi + (1-jrpi/4) * kpi(-1) "
## [134] "kps: kps - kps_aerr = 0.25 * eps + (1-jrps/4) * kps(-1) "
## [135] "ks: log(ks) - ks_aerr = log(ks(-1)) + hks/400 "
## [136] "lef: d( log(lef), 0, 1 ) - lef_aerr = d( log(ulef), 0, 1 ) + d( log(egfl), 0, 1 ) - dgl
## [137] "left: left - left_aerr = y_{\text{left}}(1) * \text{left}(-1) * (hqlfpr+n16/n16(-1)) + <math>y_{\text{left}}(2) * \text{left}(2)
## [138] "leh: leh - leh_aerr = lep + leo + les + lef "
## [139] "leo: \log(\log) - \log_{\alpha} = \log(q\log^*q) + y_{\log(1)} + \log(\log(-1)/(q\log(-1)) + \log(\log(-1))
## [140] "lep: lep - lep_aerr = lhp / lww "
## [141] "leppot: leppot - leppot_aerr = qlf*(1-.01*lurnat - qleor) - left - lest "
## [142] "les: d( log(les), 0, 1 ) - les_aerr = d( log(ules), 0, 1 ) + d( log(egsl), 0, 1 ) - dg
## [143] "lest: lest - lest_aerr = y_{\text{lest}}(1) * \text{lest}(-1) * (hqlfpr+n16/n16(-1)) + <math>y_{\text{lest}}(2) * \text{lest}(2)
## [144] "lf: lf - lf_aerr = lfpr * n16 "
## [145] "lfpr: d( lfpr, 0, 1) - lfpr_aerr = hqlfpr + y_{fr}(1) * (qlfpr(-1) - lfpr(-1)) + y_{fr}(1) + y_{fr}(1)
## [146] "lhp: d( log(lhp), 0, 1 ) - lhp_aerr = y_lhp(1) * (log(qlhp(-1)/lhp(-1))-d( log(mfpt), 0
## [147] "lprdt: log(lprdt) - lprdt_aerr = log(xgpot) - log(leppot) - log(qlww) "
## [148] "lur: lur - lur_aerr = 100*(1 - leh/lf) "
## [149] "lurbls: lurbls - lurbls_aerr = lur "
## [150] "lurnat: lurnat - lurnat_aerr = lurnat(-1) "
## [151] "lww: d( log(lww), 0, 1 ) - lww_aerr = hqlww/400 + y_lww(1) * log(qlww(-1)/lww(-1)) + y_
## [152] "mei: log(mei) - mei_aerr = y_mei(1) * log(mei(-1)) "
## [153] "mep: log(mep) - mep_aerr = y_mep(1) * log(mep(-1)) "
## [154] "mfpt: log(mfpt) - mfpt_aerr = y_mfpt(1) + log(mfpt(-1)) + hmfpt/400 "
## [155] "pcdr: d(log(pcdr), 0, 1) - pcdr_aerr = y_pcdr(1) + y_pcdr(2)*d(log(pcdr(-1)), 0, 1) "
## [156] "pceng: pceng - pceng_aerr = pcengr*pxb "
## [157] "pcengr: d( log(pcengr), 0, 1 ) - pcengr_aerr = y_pcengr(1) + y_pcengr(2) * d( log(pcengr)
## [158] "pcer: d( log(pcer), 0, 1 ) - pcer_aerr = y_pcer(1) * log((y_pcer(2) *pceng(-1) + (1-y_p
## [159] "pcfr: d( log(pcfr), 0, 1 ) - pcfr_aerr = y_pcfr(1) * log(pcfr(-1)/pcfrt(-1)) + y_pcfr(2)
## [160] "pchr: d(log(pchr), 0, 1) - pchr_aerr = y_pchr(1) + y_pchr(2)*d(log(pchr(-1)), 0, 1) "
## [161] "pcnia: d( log(pcnia), 0, 1 ) - pcnia_aerr = picnia / 400 "
## [162] "pcor: log(pcor) - log(pcor(-1)) - pcor_aerr = (- .5 * .01 * (pcdr*pcnia*ecd/ecnian + pc
## [163] "pcpi: pcpi - pcpi_aerr = upcpi * exp(.025*log(pcer)) * pcnia "
## [164] "pcpix: pcpix - pcpix_aerr = upcpix * pcxfe "
## [165] "pcxfe: d(log(pcxfe), 0, 1) - pcxfe_aerr = picxfe/400 "
## [166] "pgdp: pgdp - pgdp_aerr = 100*xgdpn/xgdp "
## [167] "pgfir: log(pgfir) - pgfir_aerr - log(pgfir(-1)) = y_pgfir(1) + pipxnc/400 + dpadj - d(1)
## [168] "pgfl: d( log(pgfl), 0, 1 ) - pgfl_aerr = d( log(upgfl), 0, 1 ) + d( log(pl), 0, 1 ) - a
## [169] "pgfor: log(pgfor) - pgfor_aerr - log(pgfor(-1)) = y_pgfor(1) + pipxnc/400 + dpadj - d()
## [170] "pgsir: log(pgsir) - pgsir_aerr - log(pgsir(-1)) = y_pgsir(1) + pipxnc/400 + dpadj - d(1
## [171] "pgsl: d( log(pgsl), 0, 1 ) - pgsl_aerr = d( log(upgsl), 0, 1 ) + d( log(pl), 0, 1 ) - d
## [172] "pgsor: log(pgsor) - pgsor_aerr - log(pgsor(-1)) = y_pgsor(1) + pipxnc/400 + dpadj - d(1)
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## [173] "phouse: d( log(phouse), 0, 1) - phouse_aerr = y_phouse(1) + y_phouse(2) * d(
## [174] "phr: log(phr) - phr_aerr - log(phr(-1)) = y_phr(1) + pipxnc/400 + dpadj - d(
## [175] "pic4: pic4 - pic4_aerr = 100*(pcnia/pcnia(-4) - 1) "
## [176] "picngr: picngr - picngr_aerr = (d( log(pceng/pxp(-1)), 0, 1 ) * ( pceng*ceng.
## [177] "picnia: picnia - picnia_aerr = picxfe + ( ( ucfs + ucfs(-1)) /2) * 400 * d(1)
## [178] "picx4: picx4 - picx4_aerr = 100*(pcxfe/pcxfe(-4) - 1) "
## [179] "picxfe: picxfe - picxfe_aerr = (y_picxfe(1)*picxfe(-1) + y_picxfe(3)*zpicxfe
## [180] "pieci: pieci - pieci_aerr = (.25*y_pieci(1)*((1-y_pieci(4))*(pieci(-1)+pieci
## [181] "pigdp: pigdp - pigdp_aerr = 400*d( log(pgdp), 0, 1 ) "
## [182] "pipl: pipl - pipl_aerr = pieci "
## [183] "pipxnc: pipxnc - pipxnc_aerr = picnia - 1.99 * 400 * huqpct + y_pipxnc(1) *
## [184] "pkpdr: pkpdr - pkpdr_aerr = upkpd * ppdr "
## [185] "pl: log(pl) - pl_aerr = log(pl(-1)) + pipl/400 "
## [186] "plmin: plmin - plmin_aerr = plminr*.01*pl "
## [187] "pmo: d( log(pmo), 0, 1 ) - pmo_aerr = y_pmo(1) + y_pmo(2) * (log(qpmo) + .64
## [188] "pmp: pmp - pmp_aerr = upmp*poil "
## [189] "poil: poil - poil_aerr = poilr*pxb "
## [190] "poilr: d( log(poilr), 0, 1 ) - poilr_aerr = y_poilr(1) * log(poilr(-1)/poilr
## [191] "ppdr: log(ppdr) - ppdr_aerr - log(ppdr(-1)) = y_ppdr(1) + pipxnc/400 + dpadj
## [192] "ppir: log(ppir) - ppir_aerr - log(ppir(-1)) = pipxnc/400 + dpadj - d(log(pxp
## [193] "ppsr: log(ppsr) - ppsr_aerr - log(ppsr(-1)) = y_ppsr(1) + pipxnc/400 + dpadj
## [194] "ptr: ptr - ptr_aerr = y_ptr(1)*ptr(-1) + y_ptr(2)*picxfe(-1)+ y_ptr(3)*pitar;
## [195] "pwstar: pwstar - pwstar_aerr = y_pwstar(1) + y_pwstar(2)*pwstar(-1) "
## [196] "pxb: pxb - pxb_aerr = upxb*pgdp "
## [197] "pxg: pxg - pxg_aerr = 100*xgn/xg "
## [198] "pxnc: d( log(pxnc), 0, 1 ) - pxnc_aerr = pipxnc/400 "
## [199] "pxp: d( log(pxp), 0, 1 ) - pxp_aerr = .5*( ecnian/xpn + ecnian(-1)/xpn(-1))
## [200] "pxr: log(pxr) - pxr_aerr - log(pxr(-1)) = y_pxr(1) + pipxnc/400 + dpadj - d(
## [201] "qec: qec - qec_aerr = y_qec(1) * zyh + y_qec(2) * (dcon*(zyh-zyht)) + y_qec(2)
## [202] "qecd: qecd - qecd_aerr = qec * (jrcd/4 + hggdpt/400 + y_qecd(1)*hgpcdr/400) :
## [203] "qeco: log(qeco) - qeco_aerr = log(qec) - log(pcor) + y_qeco(1) "
## [204] "qeh: qeh - qeh_aerr = qec * (jrh/4 + hggdpt/400) * exp(y_qeh(1) - log(phr*px)
## [205] "qepd: log(qepd) - qepd_aerr = y_qepd(1) + y_qepd(2) * log(xbo) + y_qepd(3) *
## [206] "qepi: log(qepi) - qepi_aerr = y_qepi(1) + y_qepi(2) * log(xbo) + y_qepi(3) *
## [207] "qeps: log(qeps) - qeps_aerr = y_qeps(1) + y_qeps(2) * log(xbo) + y_qeps(3) *
## [208] "qkir: log(qkir) - qkir_aerr = (1-dglprd)*y_qkir(1) + log(qkir(-1)) "
## [209] "qlep: qlep - qlep_aerr = lhp / qlww "
## [210] "qlf: qlf - qlf_aerr = qlfpr * n16 "
## [211] "qlfpr: qlfpr - qlfpr_aerr = qlfpr(-1) + hqlfpr "
## [212] "qlhp: qlhp - qlhp_aerr = xgo/lprdt "
## [213] "qlww: log(qlww) - qlww_aerr = log(qlww(-1)) + hqlww(-1)/400 "
## [214] "qpcnia: log(qpcnia) - qpcnia_aerr = log(qpxp) + log(uqpct) "
## [215] "qpl: log(qpl) - qpl_aerr = log(pl) + y_qpl(1) * log(pxg/qpxg) "
## [216] "qpmo: log(qpmo) - qpmo_aerr = log(qpmo(-1)) + y_qpmo(1) "
## [217] "qpxg: log(qpxg) - qpxg_aerr = log(pwstar) + y_qpxg(1) + y_qpxg(2)*log(p1/lpro
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## [218] "qpxnc: log(qpxnc) - qpxnc_aerr = log(pxnc) + y_qpxnc(1) * log(qpxp/pxp) + y_qpxnc(2) *
## [219] "qpxp: qpxp - qpxp_aerr = 100*(xpn + (.01*qpxg*xg-xgn))/xp "
## [220] "qynidn: log(qynidn) - qynidn_aerr = y_qynidn(1) + y_qynidn(2)*d79a + y_qynidn(3)*log((0
## [221] "rbbb: rbbb - rbbb_aerr = ( ( (0.01*rbbbe + 1)^.5 - 1 ) * 200 ) "
## [222] "rbbbe: rbbbe - rbbbe_aerr = rbbbp + rg10e "
## [223] "rbbbp: rbbbp - rbbbp_aerr = y_rbbbp(1) + y_rbbbp(2) * zgap10 + y_rbbbp(3) * (rbbbp(-1)
## [224] "rcar: rcar - rcar_aerr = y_rcar(1) + y_rcar(2) * d79a + y_rcar(3) * ((1-d79a)*t47) + y_
## [225] "rccd: rccd - rccd_aerr = (@recode((100*jrcd + rcar - zpi5)>( .01),100*jrcd + rcar - zpi
## [226] "rcch: rcch - rcch_aerr = (@recode((100*jrh + (1-trfpm/100)*(rme+100*trspp) - zpi10)>(
## [227] "rcgain: rcgain - rcgain_aerr = picx4 + y_rcgain(1) + y_rcgain(2) * xgap2 + y_rcgain(3)
## [228] "req: req - req_aerr = rg30e - zpic30 + reqp "
## [229] "reqp: reqp - reqp_aerr = y_reqp(1) + y_reqp(2) * rbbbp + y_reqp(3) * (reqp(-1) - y_reqp(-1) + y_r
## [230] "rff: rff - rff_aerr = 36000*( (1+.01*rffe)^(1/365) - 1 ) "
## [231] "rffalt: rffalt - rffalt_aerr = y_rffalt(1) + y_rffalt(2) * rff(-1) + y_rffalt(3) * rff(
## [232] "rffe: rffe - rffe_aerr = (1-dmptrsh) * (@recode((rffrule)>( rffmin), rffrule, rffmin)) +
## [233] "rffgen: rffgen - rffgen_aerr = y_rffgen(1) + ( y_rffgen(2) * rffe(-1) + y_rffgen(3) * r
## [234] "rffintay: rffintay - rffintay_aerr = y_rffintay(3) * rffe(-1) + (1-y_rffintay(3)) * (rs
## [235] "rffrule: rffrule - rffrule_aerr = (@recode((dmpex * 100 * ((1+rfffix/36000)^365-1) + dm
## [236] "rfftay: rfftay - rfftay_aerr = rstar + ( picxfe(-1) + picxfe(-2) + picxfe(-3))
## [237] "rfftlr: rfftlr - rfftlr_aerr = rstar + y_rfftlr(1) * pitarg + y_rfftlr(2) * ( ( picxfe
## [238] "rfynic: d( rfynic, 0, 1 ) - rfynic_aerr = y_rfynic(1) + y_rfynic(2) * (rfynic(-1)-rfynic)
## [239] "rfynil: d( rfynil, 0, 1 ) - rfynil_aerr = y_rfynil(1) + y_rfynil(2) * rfynil(-1) + y_rfynil
## [240] "rg10: rg10 - rg10_aerr = (( (.01*rg10e + 1)^.5 - 1) * 200) "
## [241] "rg10e: rg10e - rg10e_aerr = zrff10 + rg10p "
## [242] "rg10p: rg10p - rg10p_aerr = y_rg10p(1) + y_rg10p(2) * zgap10 + y_rg10p(3) * d8095 + y_1
## [243] "rg30: rg30 - rg30_aerr = (( (.01*rg30e + 1)^.5 - 1) * 200) "
## [244] "rg30e: rg30e - rg30e_aerr = zrff30 + rg30p "
## [245] "rg30p: rg30p - rg30p_aerr = y_rg30p(1) + y_rg30p(2) * zgap30 + y_rg30p(3) * d8095 + y_1
## [246] "rg5: rg5 - rg5_aerr = (( (.01*rg5e + 1)^.5 - 1) * 200) "
## [247] "rg5e: rg5e - rg5e_aerr = zrff5 + rg5p "
## [248] "rg5p: rg5p - rg5p_aerr = y_rg5p(1) + y_rg5p(2) * zgap05 + y_rg5p(3) * (rg5p(-1) - y_rg5p(3) *
## [249] "rgfint: rgfint - rgfint_aerr = (y_rgfint(1) * rgfint(-1) + (1-y_rgfint(1))*rgw(-1))*(gfint)
## [250] "rgw: rgw - rgw_aerr = y_rgw(1) * rtb + y_rgw(2) * rg5 + y_rgw(3) * rg10 + y_rgw(4) * rg
## [251] "rme: d( rme, 0, 1 ) - rme_aerr = y_rme(1) + y_rme(2) * d( rg10e, 0, 1) + y_rme(3) * d87
## [252] "rpd: rpd - rpd_aerr = 0.5*(7.2 + (1-trfcim)*(rg5e + rbbbe- rg10e) - zpib5) + 0.5*req "
## [253] "rrffe: rrffe - rrffe_aerr = rffe - ( picxfe + picxfe(-1) + picxfe(-2) + picxfe(-3)) / 4
## [254] "rrmet: rrmet - rrmet_aerr = y_rrmet(1) * rrmet(-1) + y_rrmet(2) * (rme-zpi10) "
## [255] "rrtr: rrtr - rrtr_aerr = y_rrtr(1) * rrtr(-1) + y_rrtr(2) * rrffe "
## [256] "rspnia: rspnia - rspnia_aerr = 100 * yhsn / ydn "
## [257] "rstar: rstar - rstar_aerr = rstar(-1) + y_rstar(1) * ((rrffe-rstar(-1))*drstar) "
## [258] "rtb: rtb - rtb_aerr = 36000/90 * (1-(.01*rtbe+1)^(-90/365)) "
\#\# [259] "rtbe: rtbe - rtbe_aerr = y_rtbe(1) + ( y_rtbe(2) * rtbe(-1) + y_rtbe(3) * rtbe(-2)) + (
## [260] "rtinv: rtinv - rtinv_aerr = (.01*rpd - .01*hgpkir) * ( ( pxp*pkir + pxp(-1)*pkir(-1)) /
## [261] "rtpd: rtpd - rtpd_aerr = (.01*rpd + jrpd - .01*hgpdr) * ((1-.01*tapdt-trfcim*(1-tapddp
## [262] "rtpi: rtpi - rtpi_aerr = (.01*rpd + jrpi - .01*hgpir) * ( ( pxp*ppir + pxp(-1)*ppir(-1)
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## [263] "rtps: rtps - rtps_aerr = (@recode(((.01*rpd + jrps - .01*hgppsr) * ((1-trfcingle))
## [264] "rtr: rtr - rtr_aerr = rrtr + ptr "
## [265] "tapdd: tapdd - tapdd_aerr = .5 * d2003 + .5 * d2003 * (2.0 / (2.0 + .01 * tapdd))
## [266] "tapsda: tapsda - tapsda_aerr = (1-tapsad)*(1-exp(-0.01*(rpd+zpib5)*tapss1))/
## [267] "tfcin: tfcin - tfcin_aerr = trfci * ynicpn "
## [268] "tfibn: tfibn - tfibn_aerr = trfib * ecnian "
## [269] "tfpn: tfpn - tfpn_aerr = trfp * (ypn - gftn - gstn) "
## [270] "tfsin: tfsin - tfsin_aerr = trfsi * yniln "
## [271] "trfci: trfci - trfci_aerr = y_trfci(1) + y_trfci(2) * trfci(-1) + y_trfci(3)
## [272] "trfp: trfp - trfp_aerr = y_trfp(1) * trfpt + ( y_trfp(2) * (trfp(-1)-trfpt(-
## [273] "trfpt: trfpt - trfpt_aerr = dfpex * trfptx + dfpdbt * ( trfpt(-1) + y_trfpt(
## [274] "trsci: trsci - trsci_aerr = y_trsci(1) * trsci(-1) + ( y_trsci(2) * trscit +
## [275] "trsib: trsib - trsib_aerr = y_trsib(1) * trsib(-1) + ( y_trsib(2) * trsibt +
## [276] "trsp: trsp - trsp_aerr = y_trsp(1) * trsp(-1) + ( y_trsp(2) * trspt + y_trsp
## [277] "trspt: trspt - trspt_aerr = dfpex * trsptx + dfpdbt * ( trspt(-1) + y_trspt(
## [278] "trssi: trssi - trssi_aerr = ( y_trssi(1) * trssi(-1) + y_trssi(2) * trssi(-2
## [279] "tryh: tryh - tryh_aerr = (tfpn+tspn)/(yhln+yhptn) "
## [280] "tscin: tscin - tscin_aerr = trsci * ynicpn "
## [281] "tsibn: tsibn - tsibn_aerr = trsib * ecnian "
## [282] "tspn: tspn - tspn_aerr = trsp * (ypn - gftn - gstn) "
## [283] "tssin: tssin - tssin_aerr = trssi * yniln "
## [284] "uces: d( log(uces), 0, 1 ) - uces_aerr = y_uces(1) * log(uces(-1)) + y_uces(1)
## [285] "ucfs: d(log(ucfs), 0, 1) - ucfs_aerr = y_ucfs(1) * log(ucfs(-1)) + y_ucfs(1)
## [286] "uqpct: log(uqpct) - uqpct_aerr = y_uqpct(1) + log(uqpct(-1)) + huqpct "
## [287] "uxbt: log(uxbt) - uxbt_aerr = y_uxbt(1) + log(uxbt(-1)) + .0025*huxb "
## [288] "veo: log(veo) - veo_aerr = log(pxb/pceng) "
## [289] "veoa: log(veoa) - veoa_aerr = y_veoa(1) * log(veoa(-1)) + y_veoa(2) * log(veoa(-1))
## [290] "vpd: vpd - vpd_aerr = uvpd*(pkpdr/ppdr)/rtpd "
## [291] "vpi: vpi - vpi_aerr = uvpi/rtpi "
## [292] "vps: vps - vps_aerr = uvps/rtps "
## [293] "wdnfcn: d( log(wdnfcn), 0, 1) - wdnfcn_aerr = y_wdnfcn(1) * log(wdnfcn(-1)/(
## [294] "wpo: wpo - wpo_aerr = wpon/(.01*pcnia) "
## [295] "wpon: wpon - wpon_aerr = wpon(-1)*exp((1-((phouse(-1)*kh(-1)/116)/wpon(-1)))
## [296] "wps: wps - wps_aerr = wpsn/(.01*pcnia) "
## [297] "wpsn: log(wpsn) - wpsn_aerr = log((ynicpn-tfcin-tscin)*.5) - .25 * (req-zdiv
## [298] "xb: xb - xb_aerr = xbn/ (pxb/100) "
## [299] "xbn: xbn - xbn_aerr = pxb/100*xbo + xgdpn -xgdo*pgdp/100 "
## [300] "xbo: log(xbo) - xbo_aerr = log(xbt) + y_xbo(1) * xgap2/100 "
## [301] "xbt: log(xbt) - xbt_aerr = log(xb) + (log(xgpot/xg) - .5 *(.035*empn/(.01*pc
## [302] "xeng: xeng - xeng_aerr = uxeng * xgpot "
## [303] "xfs: log(xfs) - xfs_aerr = log(xfs(-1)) + .5*((ecnian/xfsn + ecnian(-1)/xfs))
## [304] "xfsn: xfsn - xfsn_aerr = xgdpn - ein "
## [305] "xg: log(xg) - xg_aerr = log(xg(-1)) + (1 - .5*(.035*empn/(.01*pceng*ceng) + .5*(.035*empn/(.01*pceng*ceng)) + .5*(.035*empn/(.01*pceng*ceng))
## [306] "xgap: xgap - xgap_aerr = 100*log(xgo/xgpot) "
```

[307] "xgap2: xgap2 - xgap2_aerr = 100 * log(xgdo/xgdpt) "

```
## [308] "xgde: log(xgde) - xgde_aerr = log(xgde(-1)) + .5*((xgdpn/xgden + xgdpn(-1)/xgden(-1))
## [309] "xgden: xgden - xgden_aerr = xgdpn + emn - exn "
## [310] "xgdi: xgdi - xgdi_aerr = xgdo*mei "
## [311] "xgdin: xgdin - xgdin_aerr = xgdi *(pgdp/100) "
## [312] "xgdo: xgdo - xgdo_aerr = xgdp/mep "
## [313] "xgdp: xgdp - xgdp_aerr = xgdp(-1) * @sqrt( ( (xfsn(-1)/xgdpn(-1)) * (xfs/xfs(-1)) + (.0
## [314] "xgdpn: xgdpn - xgdpn_aerr = xpn + ein - emn + egfln + egsln "
## [315] "xgdpt: log(xgdpt) - xgdpt_aerr = log(xbt) + log(uxbt) "
## [316] "xgdptn: xgdptn - xgdptn_aerr = .01*pgdp*xgdpt "
## [317] "xgn: xgn - xgn_aerr = xbn + empn "
## [318] "xgo: log(xgo) - xgo_aerr = log(xgpot) + y_xgo(1) * xgap2/100 "
## [319] "xgpot: log(xgpot) - xgpot_aerr = (y_xgpot(1) * (log(leppot) + log(qlww) + log(lqualt))
## [320] "xp: log(xp) - xp_aerr = log(xp(-1)) + .5 * (ecnian/xpn + ecnian(-1)/xpn(-1)) * d(log(ecnian(-1)/xpn(-1)) * d(log(ecnian(-1)/xpn(-1))) * d(log(ecnian(-1)/xpn(-1)/xpn(-1))) * d(log(ecnian(-1)/xpn(-1)/xpn(-1)/xpn(-1)) * d(log(ecnian(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)) * d(log(ecnian(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1)/xpn(-1
## [321] "xpn: xpn - xpn_aerr = .01 * pxp * xp "
## [322] "ycsn: ycsn - ycsn_aerr = ynicpn - tfcin - tscin - ftcin - ynidn + jccacn "
## [323] "ydn: ydn - ydn_aerr = uyd * (ypn - tfpn - tspn) "
## [324] "ygfsn: ygfsn - ygfsn_aerr = gfsrpn + jygfgn + jygfen "
## [325] "ygssn: ygssn - ygssn_aerr = gssrpn + jygsgn + jygsen "
## [326] "yh: yh - yh_aerr = yhl + yht + yhp "
## [327] "yhgap: yhgap - yhgap_aerr = 100*(yhshr/zyhst-1) "
## [328] "yhibn: d( log(yhibn), 0, 1 ) - yhibn_aerr = y_yhibn(1) * ( <math>picxfe/1600 + picxfe(-1)/1600 + picxfe(-1)/160
## [329] "yhin: yhin - yhin_aerr = uyhi * (yniin + gfintn + gsintn + yhibn) "
## [330] "yhl: yhl - yhl_aerr = (1-tryh)*yhln/(.01*pcnia) "
## [331] "yhln: yhln - yhln_aerr = uyhln * (yniln - tfsin - tssin) "
## [332] "yhp: yhp - yhp_aerr = ((1-tryh)*yhptn+yhpntn)/(.01*pcnia) "
## [333] "yhpcd: log(yhpcd) - yhpcd_aerr = log(y_yhpcd(1)) + log(kcd(-1)) "
## [334] "yhpgap: yhpgap - yhpgap_aerr = 100*(yhpshr/zyhpst-1) "
## [335] "yhpntn: yhpntn - yhpntn_aerr = .01*pcnia*pcdr*yhpcd - yhibn + ynicpn - tfcin - tscin -
## [336] "yhpshr: yhpshr - yhpshr_aerr = yhp/yh "
## [337] "yhptn: yhptn - yhptn_aerr = uyhptn*(ynisen+yhin+ynidn) "
## [338] "yhshr: yhshr - yhshr_aerr = yh/xgdp "
## [339] "yhsn: yhsn - yhsn_aerr = yhln + yhtn + yhptn - tfpn - tspn - ecnian - yhibn + uyhsn * \pi
## [340] "yht: yht - yht_aerr = yhtn/(.01*pcnia) "
## [341] "yhtgap: yhtgap - yhtgap_aerr = 100*(yhtshr/zyhtst-1) "
## [342] "yhtn: yhtn - yhtn_aerr = uyhtn*(gftn+gstn) "
## [343] "yhtshr: yhtshr - yhtshr_aerr = yht/yh "
## [344] "ykin: ykin - ykin_aerr = .01*rtinv*pxb* (ki + ki(-1)) /2 "
## [345] "ykpdn: ykpdn - ykpdn_aerr = .01*rtpd*pxb* ( kpd + kpd(-1)) /2 "
## [346] "ykpsn: ykpsn - ykpsn_aerr = .01*rtps*pxb* ( kps + kps(-1)) /2 "
## [347] "ynicpn: ynicpn - ynicpn_aerr = uynicp * (@recode((ynin-yniln-yniin-ynisen-tfibn-tsibn+g
## [348] "ynidn: d( log((ynidn-ymsdn)/pxb), 0, 1 ) - ynidn_aerr = y_ynidn(1) * log(qynidn(-1)/(yn
## [349] "yniin: yniin/(ynin(-1)-yniln(-1)) - yniin_aerr = y_yniin(1) + y_yniin(2) * (yniin(-1)/9
## [350] "yniln: yniln - yniln_aerr = 0.01 * uyl * (pl*lhp + pgfl*egfl + pgsl*egsl) "
## [351] "ynin: ynin - ynin_aerr = uyni*(xgdin+fynin-jccan) "
## [352] "ynisen: ynisen - ynisen_aerr = uysen*xbn "
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## [353] "ypn: ypn - ypn_aerr = uyp * (yhln + yhtn + yhptn) "
## [354] "zdivgr: zdivgr-zdivgr_aerr = y_zdivgr(1) + ( y_zdivgr(2) * picnia + y_zdivgr
## [355] "zecd: zecd-zecd_aerr = ( y_zecd(1) * picnia(-1) + y_zecd(2) * picnia(-2) + y_zecd(2)
## [356] "zeco: zeco-zeco_aerr = ( y_zeco(1) * picnia(-1) + y_zeco(2) * picnia(-2) + y_
## [357] "zeh: zeh-zeh_aerr = ( y_zeh(1) * picnia(-1) + y_zeh(2) * picnia(-2) + y_zeh(2)
## [358] "zgap05: zgap05-zgap05_aerr = y_zgap05(1) + ( y_zgap05(2) * picnia + y_zgap05
## [359] "zgap10: zgap10-zgap10_aerr = y_zgap10(1) + ( y_zgap10(2) * picnia + y_zgap10
## [360] "zgap30: zgap30-zgap30_aerr = y_zgap30(1) + ( y_zgap30(2) * picnia + y_zgap30
## [361] "zgapc2: zgapc2-zgapc2_aerr = ( y_zgapc2(1) * picnia(-1) + y_zgapc2(2) * picn
## [362] "zlhp: zlhp-zlhp_aerr = ( y_zlhp(1) * picnia(-1) + y_zlhp(2) * picnia(-2) + y_zlhp(2) *
## [363] "zpi10: zpi10-zpi10_aerr = ( y_zpi10(1) * picnia(-1) + y_zpi10(2) * picnia(-2
## [364] "zpi10f: zpi10f-zpi10f_aerr = zpi10 "
## [365] "zpi5: zpi5-zpi5_aerr = ( y_zpi5(1) * picnia(-1) + y_zpi5(2) * picnia(-2) * picni
## [366] "zpib5: zpib5-zpib5_aerr = y_zpib5(1) + ( y_zpib5(2) * picnia(-1) + y_zpib5(3
## [367] "zpic30: zpic30-zpic30_aerr = y_zpic30(1) + ( y_zpic30(2) * picnia + y_zpic30
## [368] "zpic58: zpic58-zpic58_aerr = ( y_zpic58(1) * picnia + y_zpic58(2) * picnia(-
## [369] "zpicxfe: zpicxfe-zpicxfe_aerr = ( y_zpicxfe(1) * picxfe(-1) + y_zpicxfe(2) *
## [370] "zpieci: zpieci-zpieci_aerr = ( y_zpieci(1) * picxfe(-1) + y_zpieci(2) * picxfe(-1)
## [371] "zrff10: zrff10-zrff10_aerr = y_zrff10(1) + ( y_zrff10(2) * picnia + y_zrff10
## [372] "zrff30: zrff30-zrff30_aerr = y_zrff30(1) + ( y_zrff30(2) * picnia + y_zrff30
## [373] "zrff5: zrff5-zrff5_aerr = y_zrff5(1) + ( y_zrff5(2) * picnia + y_zrff5(3) * ;
## [374] "zvpd: zvpd-zvpd_aerr = y_zvpd(1) + ( y_zvpd(2) * picnia(-1) + y_zvpd(3) * pi
## [375] "zvpi: zvpi-zvpi_aerr = ( y_zvpi(1) * picnia(-1) + y_zvpi(2) * picnia(-2) + y_
## [376] "zvps: zvps-zvps_aerr = ( y_zvps(1) * picnia(-1) + y_zvps(2) * picnia(-2) + y_
## [377] "zxbd: zxbd-zxbd_aerr = y_zxbd(1) + ( y_zxbd(2) * picnia(-1) + y_zxbd(3) * pi
## [378] "zxbi: zxbi-zxbi_aerr = ( y_zxbi(1) * picnia(-1) + y_zxbi(2) * picnia(-2) + y_
## [379] "zxbs: zxbs-zxbs_aerr = ( y_zxbs(1) * picnia(-1) + y_zxbs(2) * picnia(-2) + y_
## [380] "zyh: log(zyh) - zyh_aerr = (y_zyh(1) * picnia + y_zyh(2) * picnia(-1) + y_z'
## [381] "zyhp: log(zyhp) - zyhp_aerr = (y_zyhp(1) * picnia + y_zyhp(2) * picnia(-1) + picnia(
## [382] "zyhpst: zyhpst-zyhpst_aerr = zyhpst(-1) + y_zyhpst(1)*(yhpshr-zyhpst(-1)) "
## [383] "zyhst: zyhst-zyhst_aerr = zyhst(-1) + y_zyhst(1)*(yhshr-zyhst(-1)) "
## [384] "zyht: log(zyht) - zyht_aerr = ( y_zyht(1) * picnia + y_zyht(2) * picnia(-1) +
## [385] "zyhtst: zyhtst - zyhtst_aerr = zyhtst(-1) + y_zyhtst(1)*(yhtshr-zyhtst(-1))
## [386] "zynid: zynid - zynid_aerr = y_zynid(1) + ( y_zynid(2) * picnia(-1) + y_zynid
```

0.4 Chunks

0.5 Index