



| | eqns:=


```
> eqx3:=p=norm_drho^2/(4*
```



$$eqx10 := x = \frac{1}{1 + \sqrt{e_v}}$$

| | |

$$eqcl := ec = !$$

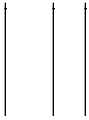
| | |

$eqc8 := d = 2.8$





$$\prime=\frac{1}{2}\left(1+\ell\right)^{(2/3)}+\frac{1}{2}\left(1-\ell\right)^{(2/3)},k_f=3\text{ }^{\prime}$$



equc5 :=


```
> ims:= eqs->select(x->x>0,[indice(ma,definizioni(eqs)),  
    indice(mb,d finizioni(eqs)),  
    indice(marho,definizioni(eqs)),  
    indice(mbrho,definizioni(eqs)),  
    indice(manorm_drho,definizioni(eqs)),  
    indice(mbnorm_drho,definizioni(eqs)),  
    indice(matau,definizioni(eqs)),
```

```
| | corrMabEqs := [  
  m ho =
```


| | |Warning, The following variable

| | |

doubleprecision t235

doubleprecision t68
doubleprecision t197

| | |

doubleprecision cg21

| | |

doubleprecision t450
doubleprecision t453

I.

doubleprecision t9
doubleprecision t674

			doubleprecision t
			doubleprecision t401
			doubleprecision t69
			doubleprecision t72
			doubleprecision cg50
			doubleprecision marho
			doubleprecision t537

$$t_{29} = 0.1D_1 + 0.20548D_0 * cg_{12}$$
$$t_{34} \ 2$$

| | |

t110 = log((

#49294D0 * t178

t183 = 0.1D1 + 0.1608182432D2 / t180

t184 = log(t183)

cg8 = -0.62182D-1 * t172 * t184

t197 = log(0.1D1 + 0.3216468318D2 /

```
t257 = 0.1D1 + 0.28D1 * t252 * t254  
t258 = t237 * dble(t1)  
t259 = t58 ** (0.1D1 / 0.3D1)
```


$$\begin{aligned} t_{586} &= t_{159} / t_{584} \\ t_{590} &= t_{156} * cg6 \end{aligned}$$

| | |

$$t_{674} = z * cg_{33}$$

$$t_{676} = p * cg_{27}$$


```
| |> arg_lsd_names:=[rhoa,rho
```


$$\begin{aligned}
 &+ \epsilon_{cGGA} C_{chi_eps} \rho_b \tau_w^2 + 2 \epsilon_{cGGA} C_{chi_eps} \tau_w \tau_{wrho_b} \\
 &- C_{chi_eps} \rho_b \tau_w^2 \frac{\rho_a m_a}{\#} + \frac{\rho_b m_b}{!} \frac{\$}{\&}
 \end{aligned}$$

$$myEq2 := \epsilon_{cRevPKZBnorm_drhob} = \frac{1}{\#^2}$$

end proc();

m

doubleprecision t391

| | |

doubleprecision t443

| | |

doubleprecision t476

doubl

|
|
|

doubleprecision cg57
doubleprecision cg58
doublepre

| | |

da bleprecision cg88

doubleprecision t410
doubleprecision t411
integer t413

| | |

$$t_{74} = (t_{14} * \rho_{ho}) ** (0.1D1 / 0.3D1)$$

| | |

t230 = sqrt(

| | |

$$t_{304} = (t_{71} * t_{302})$$

```
cg71 = 0.2D1 * t370
t371 = 0.1D1 / phi
t372 = my_norm_drho * t371
t373 = 0.1D1 /
```

			cg42 = cg73 * t431
			ma = max(cg72, cg21)
			mb = max(cg72, cg22)
			t432 = cg72 * cg42
			t433 = cg74 ** 2

t548 = t547 * rsrhoa

t551 = t308 * rsrhoa


```

cg9 = -dble(t141) / t732 * t71 * t463 / 0.12D2*
t740 = t167 ** 2
t749 = cg12 ** 0.10D1
cg79 = -0.638837320D-2 * cg9 * t171 + 0.1000000000D1 * t162 /
t7
#40 * (0.7059450000D1 / t147 * cg9 + 0.61977D1 * 9 +
0.5049300000

```

0.2


#025D4 * cg54 * cg16 - 0.73D2 / 0.4050D4 * cg16 * t55 - 0.73D

*

t359 - 0.4D1 * t354 * t598 * cg82 + (-0.638837320D-2 * rsrhob *

t

#332 + 0.1000000000D1 * t565 * (0.7059450000D1 *


$$t_{1084} = t_{276} * cg_{68}$$

$$t_{1088} = cg_{51} * t_{287}$$

| | |

cg96 = myIF(t806,

| | | # * t113 * cg97) * t127 - 0.247951

