

 TPSS

| The original Tpss code is copyrighted, I believe that such things hi

```
| | res:=false;
```

```
| | if not dep then i:=i+1; end i
```

| | exchange energy (LDA)

|
|
|

eqx9 := Fx = 1 + * - $\frac{*}{1 + \frac{X}{*}}$

eqk1 := * = 0.804

eqk2

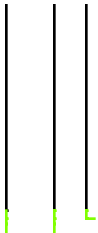
10

ex_lda = ! ex_unifEx/

> unk

{no_n_rho, !, (, !}

ex_lda



eqc6 := C_chi_eps =
$$\frac{C_{\chi}}{\left(1 + \frac{1}{2} \left(\frac{1}{(1 + 1)^{4/3}} + \frac{1}{(1 -)^{4/3}} \right) \right)^4}$$


```
eqpbe9:=gamma_var=(1-ln(2))/Pi^2;evalf(rhs(eqpbe9));
```


$$eqs_pbec2 := \frac{1}{\rho_{hoa}}$$

ilon_cGGA_1_0,rhob=0,norm_drho=norm_drhoa,
norm_drhob= o _ b



e_c_u_1, alpha_c, f_ii_0, f, epsilon_c_unif, 3, gamma_var, 2, k_f, k_s, t, A, H, epsilon_c_unif, GGA, d, norm_dchi, eps, C_chi, tau_w, C_chi_eps, ma, mb, epsilon_cRevPKZ

| |

epsilon_cGGAnorm_rho)]


```
| | "H_slrho", "ep
```



```
| | t149 = 0.1D1 / t148  
| | t151
```

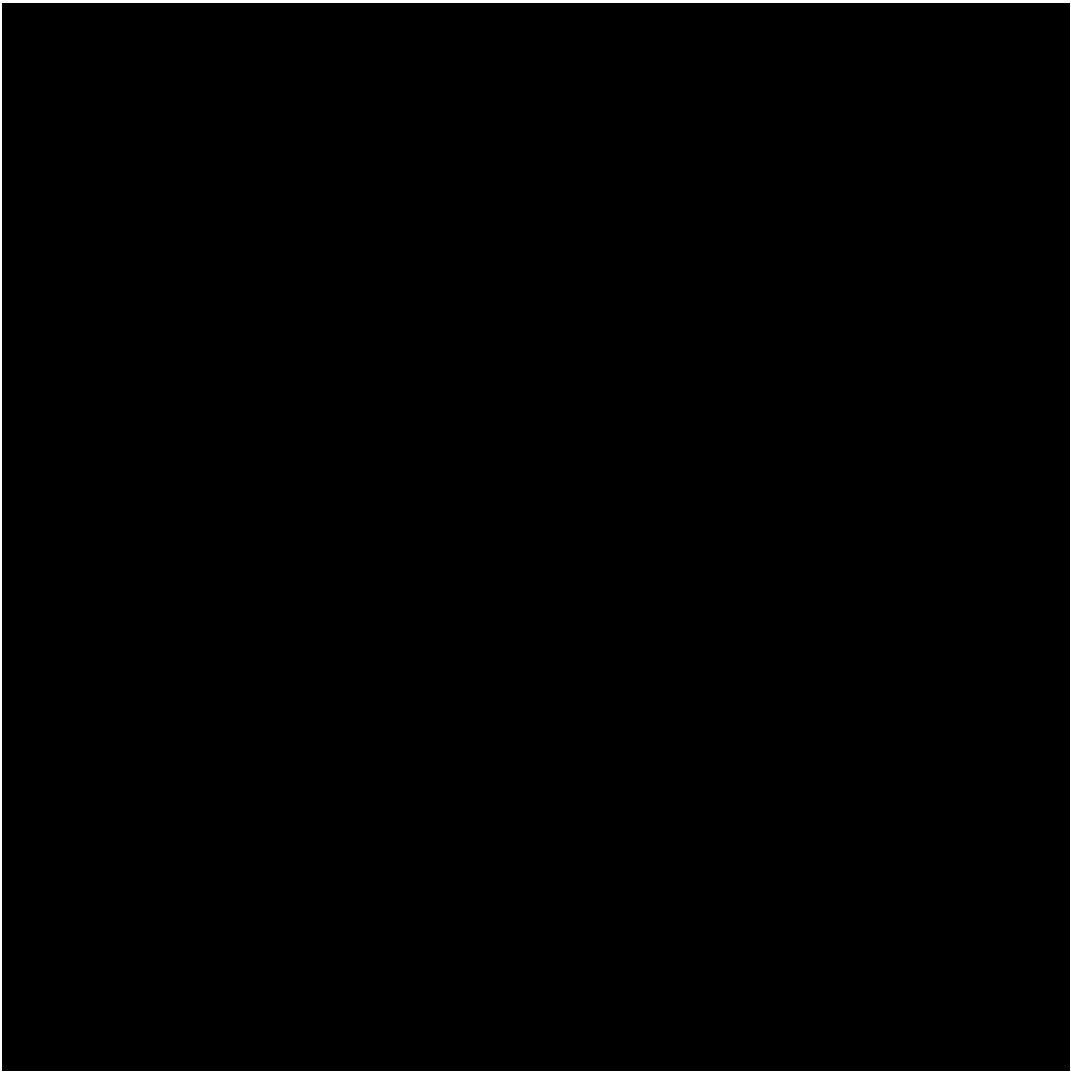
```
t228 = t223 ** 2
t230 = 0.1D1 + t225 + 227 * t228
t231 = 0.1
```

```
t285 = 0.1D1 / t284  
t288 = 0.10D2 / 0.81D2 + 0.159096D1 * t282 * t285
```



```
{ | cg92 = t67 * t69 * t7 / 0. 1  
  | cg93 = t8
```


$$\tilde{b} = \frac{9() - 1}{20}$$



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