

This should be treated as usual text. An example of Latex equation

$$\alpha = \beta + \frac{x^2 - 1}{s - t^2} \quad (1)$$

```
! This is a comment  
SUBROUTINE test(x,y,s,t)
```

The following modules will be imported:

```
USE m_globals, ONLY : var1, var2
```

Pygments L^AT_EXmacros should be available for use DP is for double precision

```
USE m_prec, ONLY : DP  
IMPLICIT NONE
```

An example of inline math: $\frac{4}{5\sqrt{x}}$

```
REAL(8) :: x, y, s, t  
REAL(8) :: z  
z = x + y + sin(x*y)  
WRITE(*,*) 'This is a text'
```

Implement the equation 1

```
alpha = beta + (x**2 - 1.d0)/(s - t**2)  
END SUBROUTINE
```