

```
@  
@ ARCH_TEST_ISSUE.PRG  
@
```

```
spool sp_arch  
output(s) sp_arch
```

```
smpl 1994Q1 2019Q1
```

```
equation example.ls dlm3_real c dlqdp  
example.results(p)
```

```
example.archtest(lags=1,p)
```

```
example.archtest(lags=1,p)
```

Dependent Variable: DLM3_REAL

Method: Least Squares

Date: 07/12/25 Time: 23:02

Sample: 1994Q1 2019Q1

Included observations: 101

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	0.012963	0.001259	10.29480	0.0000
DLGDP	-0.682162	0.147222	-4.633548	0.0000
R-squared	0.178217	Mean dependent var		0.008678
Adjusted R-squared	0.169916	S.D. dependent var		0.009427
S.E. of regression	0.008589	Akaike info criterion		-6.657083
Sum squared resid	0.007303	Schwarz criterion		-6.605298
Log likelihood	338.1827	Hannan-Quinn criter.		-6.636119
F-statistic	21.46977	Durbin-Watson stat		1.392588
Prob(F-statistic)	0.000011			

Heteroskedasticity Test: ARCH

F-statistic	0.013086	Prob. F(1,98)	0.9092
Obs*R-squared	0.013351	Prob. Chi-Square(1)	0.9080

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 07/12/25 Time: 23:02

Sample (adjusted): 1994Q2 2019Q1

Included observations: 100 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	7.13E-05	1.44E-05	4.956974	0.0000
RESID^2(-1)	0.011572	0.101160	0.114393	0.9092
R-squared	0.000134	Mean dependent var		7.22E-05
Adjusted R-squared	-0.010069	S.D. dependent var		0.000123
S.E. of regression	0.000124	Akaike info criterion		-15.14057
Sum squared resid	1.50E-06	Schwarz criterion		-15.08846
Log likelihood	759.0283	Hannan-Quinn criter.		-15.11948
F-statistic	0.013086	Durbin-Watson stat		1.998259
Prob(F-statistic)	0.909161			

Heteroskedasticity Test: ARCH

F-statistic	0.013086	Prob. F(1,98)	0.9092
Obs*R-squared	0.013351	Prob. Chi-Square(1)	0.9080

Test Equation:

Dependent Variable: RESID^2

Method: Least Squares

Date: 07/12/25 Time: 23:02

Sample (adjusted): 1994Q2 2019Q1

Included observations: 100 after adjustments

Variable	Coefficient	Std. Error	t-Statistic	Prob.
C	7.13E-05	1.44E-05	4.956974	0.0000
RESID^2(-1)	0.011572	0.101160	0.114393	0.9092

R-squared	0.000134	Mean dependent var	7.22E-05
Adjusted R-squared	-0.010069	S.D. dependent var	0.000123
S.E. of regression	0.000124	Akaike info criterion	-15.14057
Sum squared resid	1.50E-06	Schwarz criterion	-15.08846
Log likelihood	759.0283	Hannan-Quinn criter.	-15.11948
F-statistic	0.013086	Durbin-Watson stat	1.998259
Prob(F-statistic)	0.909161		