Hi all!

I seek advice on fitting a following function with 2-free variables mu and phi (Below '.' indicates multiplication and '^2' power of 2):

$$F(mu,phi) = a0 + a1.mu + a2.mu^2 + (a3.mu + a4.mu^2).cos(phi-phi0),$$

phi0 is a constant and ai are the fitting parameters.

Measurement set consists of 240 values (10 values for mu and 24 for phi, this in effect a polar coordinate grid with 24 'sectors' and 10 'rings').

So the question what is the best way of doing this in IDL?

I would be grateful for any advice,

Esa

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The CT Creed: "There is no Game but Traveller,
and High Guard is its Product"   Steve Hudson