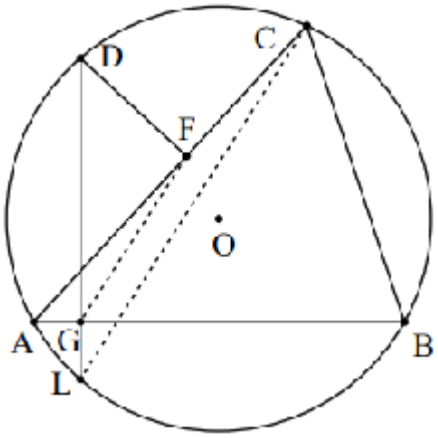

Example 91 : As shown in Figure 3, in the quadrilateral $ABCD$ inscribed in the circle O, the feet of D on AC and AB are F and G respectively, and DG intersects the circle at L. Prove: $FG \parallel CL$.

$$\frac{G-F}{L-C}=\left(\frac{G-A}{D-L}\frac{D-F}{A-C}\right)\left(\frac{A-C}{A-D}\frac{L-D}{L-C}\right)\left(\frac{G-F}{G-A}\frac{D-A}{D-F}\right),$$