1108-53-156 **Handan Yildirim*** (`handanyildirim@istanbul.edu.tr`), Istanbul University Mathematics Department, (Current address: Michigan State University), Wells Hall 619 Red Cedar Road, East Lansing, MI 48824-1027. *On conformally flat almost $C(\alpha)$-manifolds.* Preliminary report.

In this talk which is based on a joint work with David E. Blair, we focus on conformally flat almost $C(\alpha)$-manifolds, and we prove that there exist 3-dimensional conformally flat almost α-Kenmotsu manifolds which are of nonconstant sectional curvature. Then, we conclude that there exist 3-dimensional conformally flat almost Kenmotsu manifolds which not only contrast with both $H^3(-1)$ and $H^2(-4) \times \mathbb{R}$ and but also are of nonconstant sectional curvature.

1