

1096-37-1268

**Aijun Zhang\***, Drexel University, Department of Mathematics, 3141 Chestnut St, Philadelphia, PA 19104. *TRAVELING WAVE SOLUTIONS WITH MIXED DISPERSAL FOR SPATIALLY PERIODIC FISHER-KPP EQUATIONS.*

Traveling wave solutions to a spatially periodic nonlocal/random mixed dispersal equation with KPP nonlinearity are studied. By constructions of super/sub solutions and comparison principle, we establish the existence of traveling wave solutions with all propagating speeds greater than or equal to the spreading speed in every direction. For speeds greater than the spreading speed, we further investigate their uniqueness and stability. (Received September 14, 2013)