

ENNEPER TYPE SURFACES IN 4-SPACE

Erhan GÜLER¹, Ömer KIŞI², Semra SARAÇOĞLU ÇELİK³

^{1,2,3}*Bartın University, Faculty of Science, Department of Mathematics, 74100,
Bartın, Turkey*

eguler@bartin.edu.tr, okisi@bartin.edu.tr, ssaracoglu@bartin.edu.tr

Abstract: We study a two parameter family of Enneper-type minimal surfaces using the Weierstrass representation in the four dimensional Euclidean space. We obtain implicit algebraic equations of the surfaces.

Keywords: Enneper-type minimal surfaces, Weierstrass representation, algebraic equation.

ASYMPTOTICALLY I_σ -EQUIVALENCE OF SEQUENCES OF SETS

Uğur ULUSU¹, Esra GÜLLE¹

¹*Department of Mathematics, AfyonKocatepe University,
Afyonkarahisar/TURKEY*

ulusu@aku.edu.tr, egulle@aku.edu.tr

Abstract:In this paper, we introduce the concepts of Wijsman p -strongly asymptotically invariant equivalence $([W_{I_\sigma}^L]_p)$, Wijsman asymptotically I -invariant equivalence $(W_{I_\sigma}^L)$ and Wijsman asymptotically I^* -invariant equivalence $(W_{I_\sigma}^{L*})$. Also, we investigate the relationships among the concepts of Wijsman asymptotically invariant equivalence, Wijsman asymptotically invariant statistical equivalence, $([W_{I_\sigma}^L]_p)$, $(W_{I_\sigma}^L)$ and $(W_{I_\sigma}^{L*})$.

Keywords:Asymptotically equivalence, I -convergence, invariant convergence, sequences of sets, Wijsman convergence.