Zhanmin Zhu
Some results on quasi-Frobenius rings

Abstract: We give some new characterizations of quasi-Frobenius rings by the generalized injectivity of rings. Some characterizations give affirmative answers to some open questions about quasi-Frobenius rings; and some characterizations improve some results on quasi-Frobenius rings.

References

[1] Björk J.E., *Rings satisfying certain chain conditions*, J. Reine Angew. Math. **245** (1970), 63–73.

[2] Camillo V., Yousif M.F., *Continuous rings with ACC on annihilators*, Canad. Math. Bull. **34** (1991), no. 4, 462–464.

[3] Chen J.L., Zhou Y.Q., Zhu Z.M., *GP-injective rings need not be P-injective*, Comm. Algebra **33** (2005), no. 7, 2395–2402.

[4] Nam S.B., Kim N.K., Kim J.Y., *On simple GP-injective modules*, Comm. Algebra **23** (1995), no. 14, 5437–5444.

[5] Nicholson W.K., Yousif M.F., *Principally injective rings*, J. Algebra **174** (1995), no. 1, 77–93.

[6] Nicholson W.K., Yousif M.F., *Mininjective rings*, J. Algebra **187** (1997), no. 2, 548–578.

[7] Nicholson W.K., Yousif M.F., *Quasi-Frobenius Rings*, Cambridge University Press, Cambridge, 2003.

[8] Rutter E.A., *Rings with the principle extension property*, Comm. Algebra **3** (1975), no. 3, 203–212.

[9] Yousif M.F., Zhou Y.Q., *Rings for which certain elements have the principal extension property*, Algebra Colloq. **10** (2003), no. 4, 501–512.

[10] Yue Chi Ming R., *On regular rings and self-injective rings II*, Glasnik Mat. **18** (1983), no. 2, 221–229.

[11] Yue Chi Ming R., *On quasi-Frobeniusean and Artinian rings*, Publ. Inst. Math. (Beograd) (N.S.) **33** (1983), no. 47, 239–245.

[12] Yue Chi Ming R., *On regular rings and artinian rings II*, Riv. Math. Univ. Parma **11** (1985), no. 4, 101–109.

[13] Yue Chi Ming R., *On p-injectivity, YJ-injectivity and quasi-Frobenius rings*, Comment. Math. Univ. Carolin. **43** (2002), no. 1, 33–42.

[14] Yue Chi Ming R., *On YJ-injectivity and annihilators*, Georgian Math. J. **12** (2005), no. 3, 573–581.

[15] Zhou Y.Q., *Rings in which certain right ideal are direct summands of annihilators*, J. Aust. Math. Soc. **73** (2002), no. 3, 335–346.

[16] Zhu Z.M., *Almost MGP-injective rings*, Ukrainian Math. J. **65** (2014), no. 11, 1634–1641.