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**Noureen Khan\*** ([noureen.khan@unt.edu](mailto:noureen.khan@unt.edu)), 7400 University Hills Blvd, Dallas, TX 75241. *On Classification of Virtual Rational Tangles.*

We study virtual generalization of rational tangles that form basis for equivalence classes of virtual knots and links. New invariants, virtual tangle number and the coloring method are introduced for the classification of virtual rational tangles. We use contemporary and combinatorial arguments to show that any two virtual rational tangles are equivalent if and only if their tangle numbers are equal. (Received July 11, 2016)