

A NOTE ON THE TRIPARTITE RAMSEY NUMBERS $r_t(C_4; 2)$ AND $r_t(C_4; 3)$ **S. Buada**

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Abstract. The k -colored tripartite Ramsey numbers $r_t(G; k)$ is the smallest positive integer n such that any k -coloring of lines of a complete tripartite graph $K_{n,n,n}$ there always exists a monochromatic subgraph isomorphic to G . The values of $r_t(C_4; 2) = 3$, and $r_t(C_4; 3) = 7$ are discussed in the article *The tripartite Ramsey numbers $r_t(C_4; 2)$ and $r_t(C_4; 3)$* of the Italian Journal of Pure and Applied Mathematics, n. 33-2014. However, there are our technical mistakes on three figures of the article. In this note we correct these mistakes.

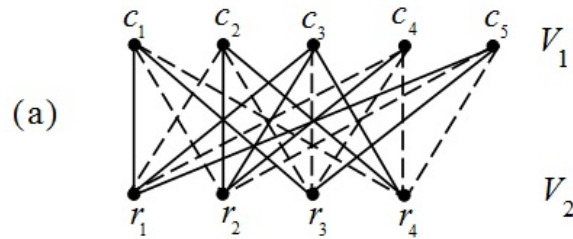
Keywords and phrases: tripartite Ramsey numbers, bipartite Ramsey numbers, Ramsey numbers, tripartite graphs.

AMS Subject Classification: 05C55; 05D10.

Mistakes and Corrections

The details of the discussions on $r_t(C_4; 2) = 3$ and $r_t(C_4; 3) = 7$ are shown on pages 383-400 of [1]. There are mistakes, due to our technical problems, on Figure 2.1, Figure 2.2, and Figure 2.3, i.e. lines of the graphs are not shown as intended. The corrections are given below.

(1) Figure 2.1 on page 385 of [1] should be replaced by



(b)

	c_1	c_2	c_3	c_4	c_5
r_1	1	0	1	0	1
r_2	0	1	1	1	0
r_3	1	0	0	0	1
r_4	0	1	1	0	0

Figure 2.1

(2) Figure 2.2 on page 386 of [1] should be replaced by

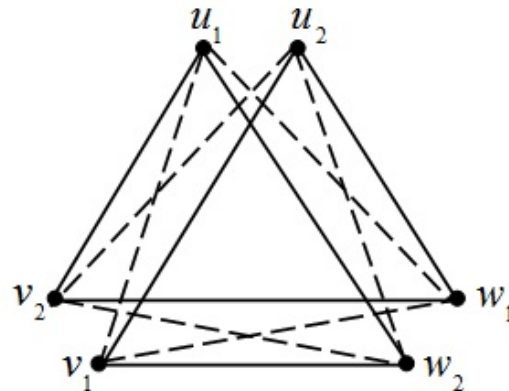


Figure 2.2.

(3) Figure 2.3 on page 388 of [1] should be replaced by

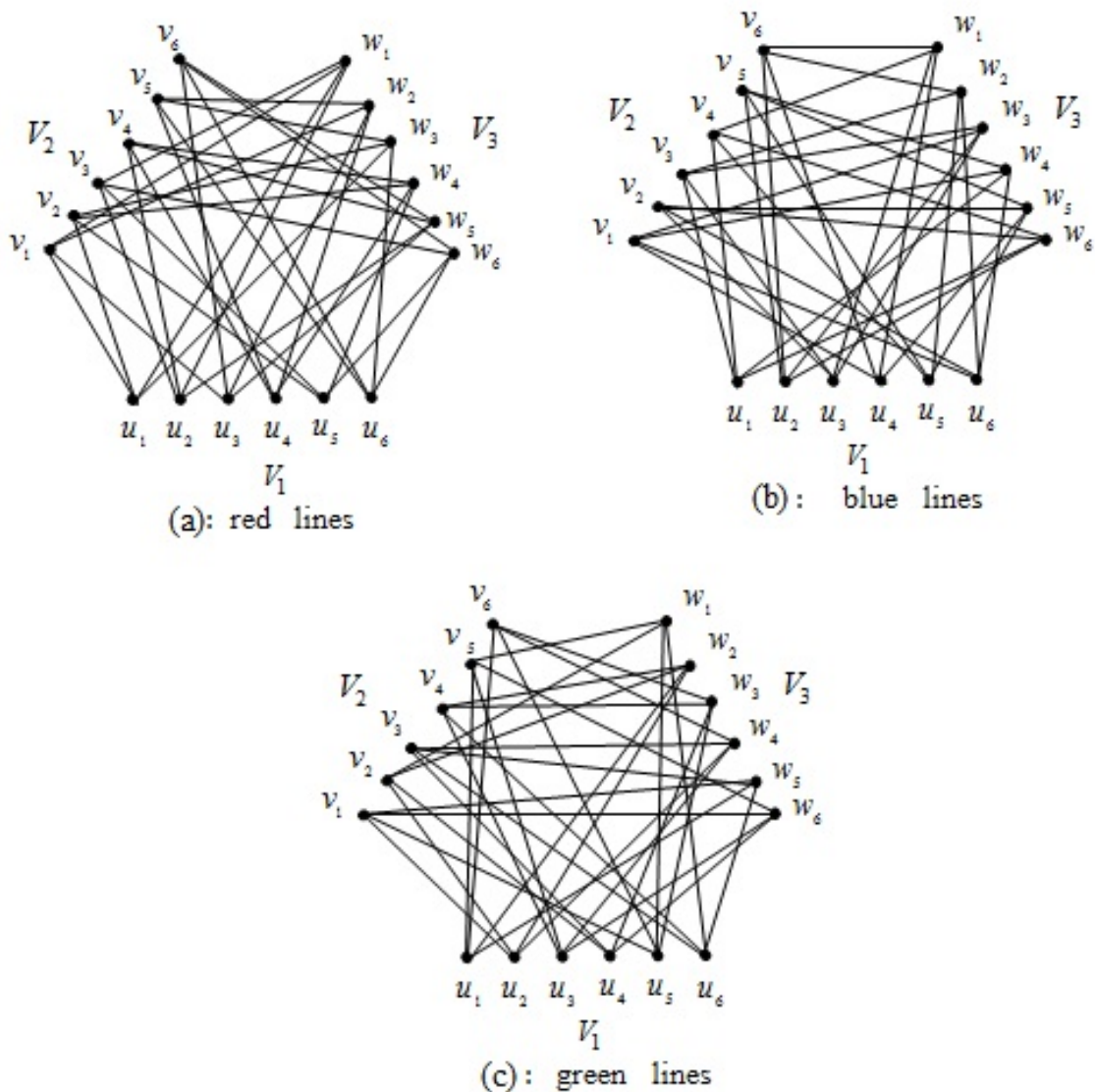


Figure 2.3.

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References

[1] BUADA, S., SAMANA, D., LONGANI, V., *The Tripartite Ramsey Numbers $r_t(C_4;2)$ and $r_t(C_4;3)$* , Italian Journal of Pure and Applied Mathematics, 33 (2014), 383-400.