I call the current verion ordadd.tex rather than bothering using a different name. In this email I will answer your questions and indicate what corrections I've made.

1. Page 2. Def 1.2.2. YES it should be the induced hypergraph on H. I made this corrections.

2. Page 2. Def 1.2.3. YES, it should be finite big Ramsey degrees (plural). This is the definition in Balko et al and other papers we reference. I made this corrections.

3. Page 2. Def 1.2.4 Should be *The induced hypergraph on H.* I made this corrections.

4. Page 2. Def 1.2.4

   Point (2) should be

   $$\text{COL restricted to } \binom{B'}{n}$$

   I made this corrections.

5. *Homogenous:* I have added a definition of both the Rado graph and the Henson graph. I do not use the term *Homogenous* since that is either a different defintion of Rado and Henson. I need to check with Natasha or Chris Lastowski (he is a logician in the math dept here who I think knows this sort of thing) to make sure the definition is correct.

6. Typo: $T(K_2, 2)$ should be $T(K_2, R_2)$.

7. $T(n, R_2)$ exact value. I find the paper impossible to read and I only think it has the exact papers because other papers say so. I also only thing the next paper gives a method to compute those values because another paper says so. This area needs to be cleaned up (another REU project?) I wanted Natasha to verify that all of this is correct.

   OPTIONS

   (a) Wait for Natasha to comment on this and take her word for it.

   (b) Have you try to read the papers and see what you think (You need not try very hard- if you are NOT enlightened after the first X minutes then quit.)

(c) Trust the other papers that say so and leave it as it is.

8. This is not quite an answer to your question, but I am thinking out loud here and want you to verify or tell me I am wrong.

   (a) Balko talks about coloring $\binom{B}{A}$. If for all A for all colorings of $\binom{B}{A}$ BLAH BLAH then B has finite big Ramsey degrees.

   (b) Braunsfeld talks about coloring $\binom{B}{A}$. If for all A for all colorings of $\binom{B}{A}$ BLAH BLAH then B has finite big Ramsey degrees.

   (c) Dobrienen in her paper (she tells me) talks about coloring all $\binom{B}{n}$. If for all n for all colorings of $\binom{B}{n}$ BLAH BLAH then B has finite big Ramsey degrees.

   So we have two DIFF definitions of big Ramsey degrees. I call them BALKO-DEF and DOB-DEF.

   I think DOB-DEF IMPLIES BALKO-DEF which is fine since one could say that Dobrinen shows H_k has big Ramsey Degrees by proving a stronger result

   We show DOB-DEF IMPLIES BALKO-DEF

   Assume B has finite Ramsey degrees via DOB-DEF. Hence For all n for all colorings of $\binom{B}{n}$ BLAH BLAH.

   We show that B has finite Ramsey degree via BALKO-DEF. Let A be any hypergraph. Let COL be a coloring of $\binom{B}{A}$. Assume A has n vertices. COL colors SOME of $\binom{B}{n}$. Color all the elements in $\binom{B}{A} - \binom{B}{A}$ with a NEW color that has not been used. Apply DOB-DEF to get H such that COL restricted to $\binom{H}{n}$ uses at most d colors. Then COL restricted to $\binom{H}{A}$ uses at most d colors. So has finite Ramsey degrees via BALKO.

9. How can something be exact but not explicity

10. For $T(n, R_a) < \infty$ I DO want to put "finite Ramsey degree" to remind people that we get that from $T(n, R_a) < \infty$. I will also put in quantifiers forall n.

11. H_k- the comment 'Finite big Ramsey Degree' I have added to the definition of $T(n, B)$ and changed the table. See my comments in the paper.