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On Final Exam

Charles Kim

1 - 3 June 2010 @TKK

How to refer the class material (note, code, data, etc) in your future works?

•Charles Kim, Lecture Note on Fault Detection and Location in Distribution Systems, 2010

Final Exam	
 Take-Home Exam From 4 June 2010 to 14 June 2010 Submission Deadline: 11:59pm, Mon. 14 June 2010 (your local time) Submission Method: Email submission (following 2 emails) To: charles.kim@tkk.fi Cc: ckim@howard.edu You have to keep acknowledgment email reply as evidence of successful submission. File name convention: Pat_N_First_LastName.xmcd Over the period, question and answer can be done over email 	
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Exam in Brief

- A US patent or US patent publication will be emailed to each student by 4 June 2010. Send inquiry if no email by end of 4 June 2010.
- Individual work. No help from those who attended and are taking the exam. Help can be got from the instructor only.
- The final product must be 1 Mathcad file: Description, comments, etc must be included in the worksheet.
- Focus must be only on fault distance of singleline-to-ground fault type.

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Exam Works and (Grade Point) • Implementation of the patented (or patent seeking) fault distance calculation method in Mathcad environment. (2.5)• Testing the method with the ideal 2-source data which is available from NINEGEN SEL 1.XMCD or other files which contain the same or similar data.(3) Testing the method with the actual fault system data that are provided from the class. (3.5) Discussion of the results above in terms of the performance under different conditions of fault location and fault impedance value. (4) Suggestion of new (inventive) idea. (4.5) Implementation of the new (inventive) idea and testing with the above two sets of data. (5) 4