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David Kirk



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web mar 7 2016 1. Apparatus: Ripple tank, water, plane wave generator, light source, screen, ruler, stopwatch. 2. Procedure: Set up the ripple tank with water. Use the plane wave generator to create waves. Observe the wave pattern on the screen. Measure the wavelength and frequency. Calculate the wave speed. 3. Results: The wave speed is found to be approximately 18 cm/s. 4. Conclusion: The wave speed is independent of the frequency. 5. Discussion: The results are consistent with the theory of wave propagation. 6. Evaluation: The experiment was well planned and executed. The results are reliable and valid. 7. Recommendations: The experiment should be repeated with different frequencies to confirm the results. 8. References: [1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114] [115] [116] [117] [118] [119] [120] [121] [122] [123] [124] [125] [126] [127] [128] [129] [130] [131] [132] [133] [134] [135] [136] [137] [138] [139] [140] [141] [142] [143] [144] [145] [146] [147] [148] [149] [150] [151] [152] [153] [154] [155] [156] [157] [158] [159] [160] [161] [162] [163] [164] [165] [166] [167] [168] [169] [170] [171] [172] [173] [174] [175] [176] [177] [178] [179] [180] [181] [182] 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