

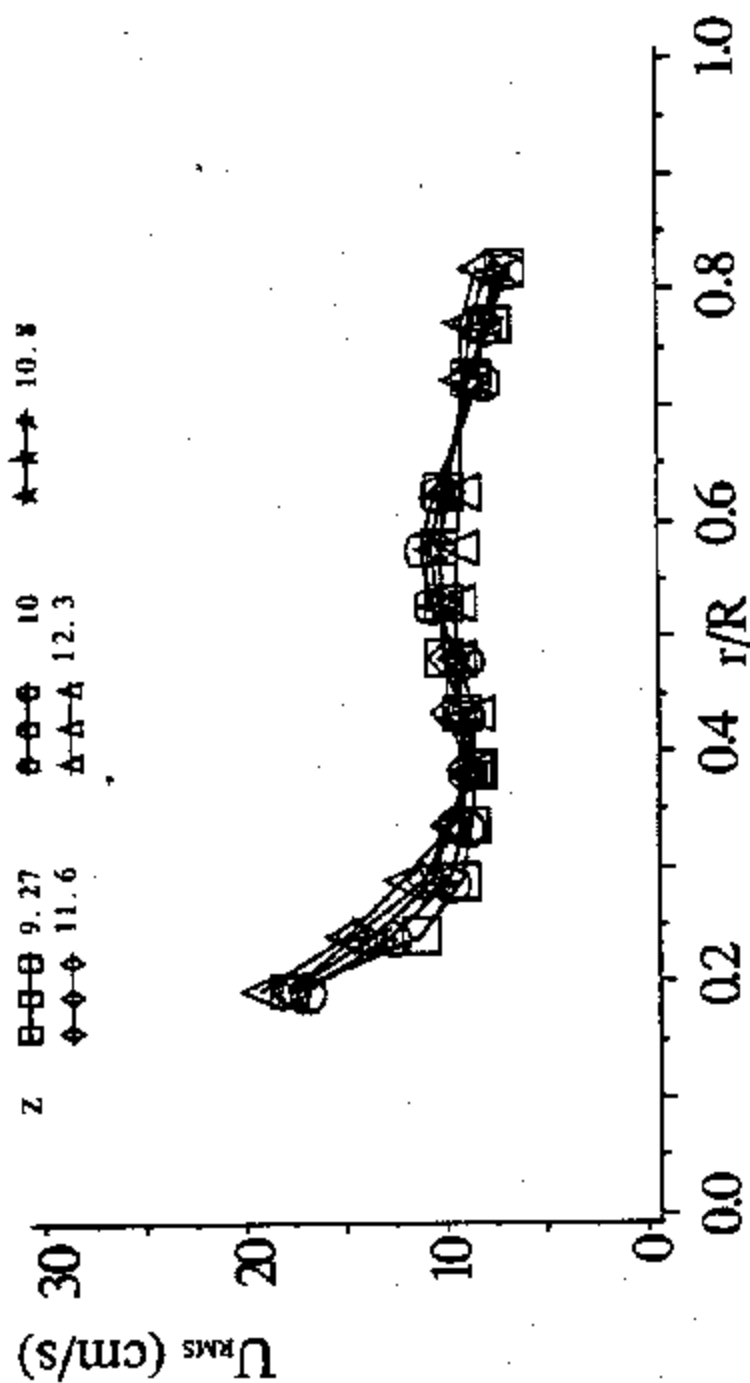


Figure 3.6.3 RMS radial liquid velocity measurements in the third quarter of the bubble column.

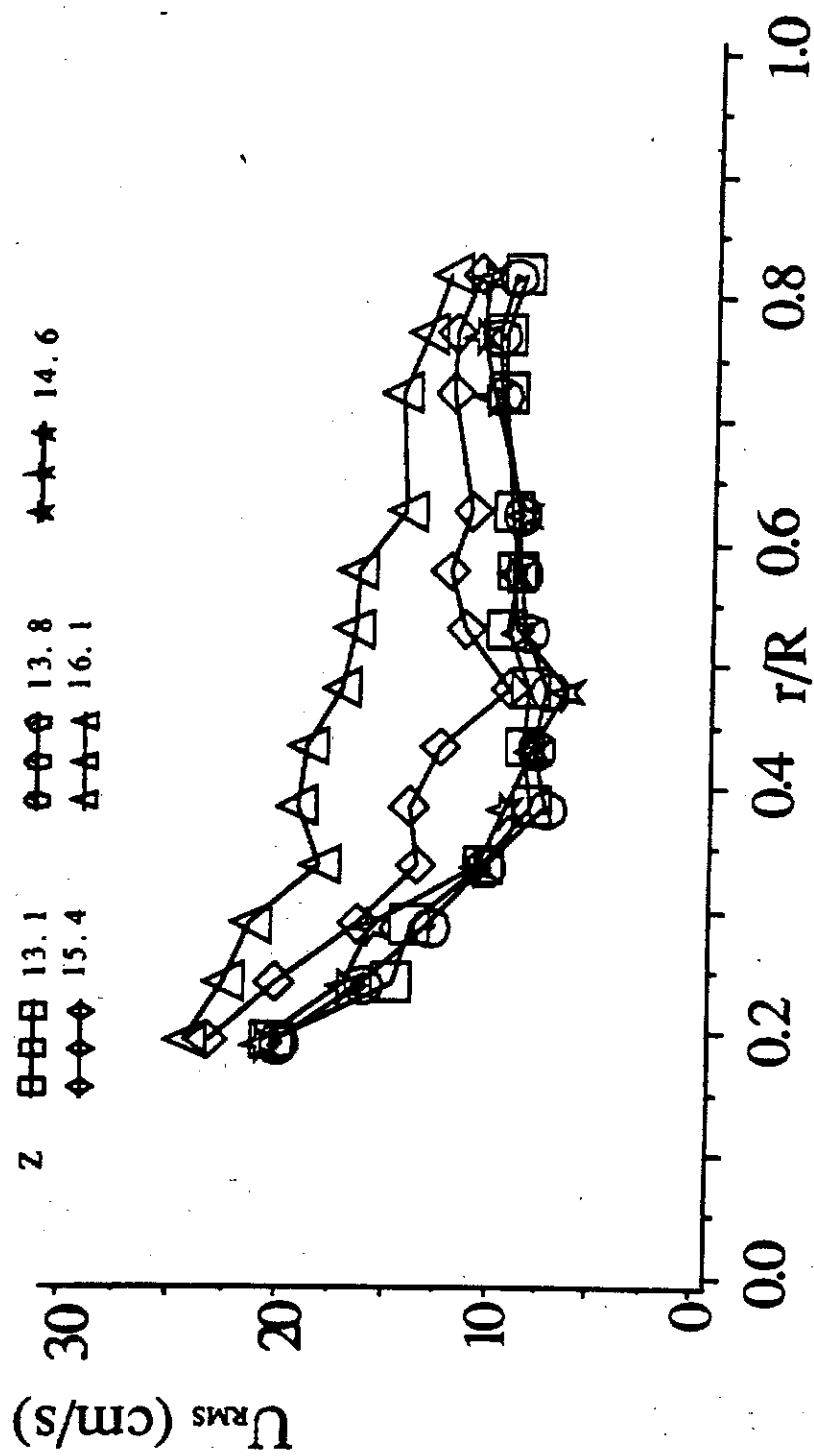


Figure 3.6.4 RMS radial liquid velocity measurements in the top quarter of the bubble column.

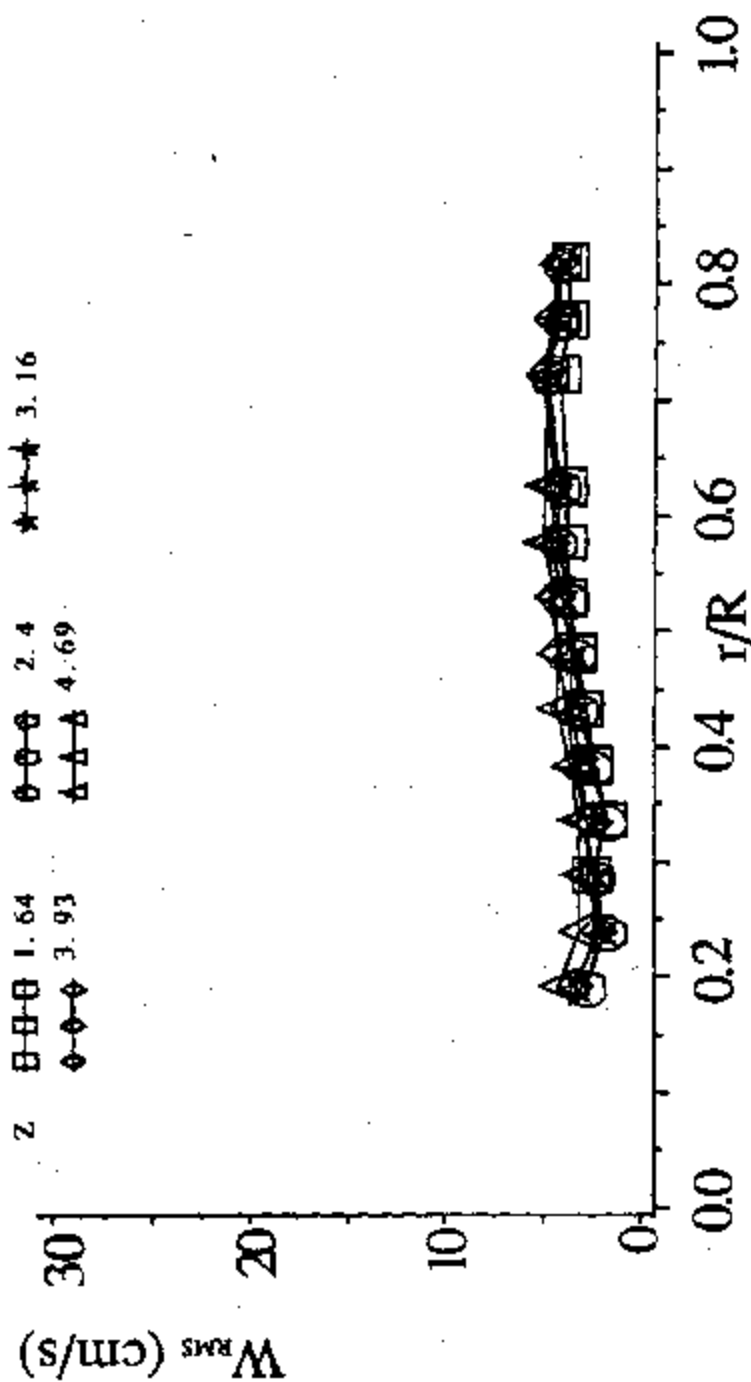


Figure 3.6.5 RMS vertical liquid velocity measurements in the bottom quarter of the bubble column.

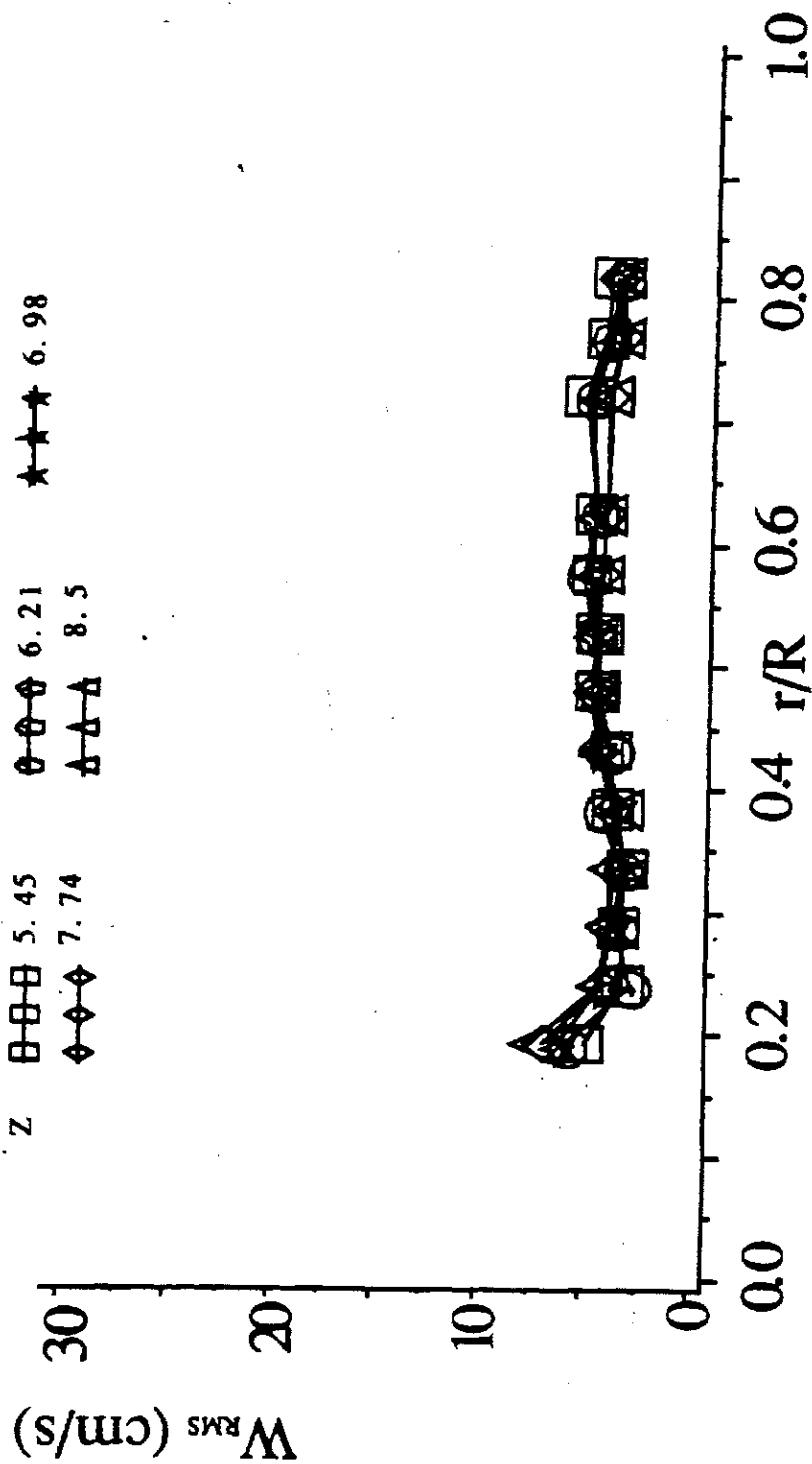


Figure 3.6.6 RMS vertical liquid velocity measurements in the second quarter of the bubble column.

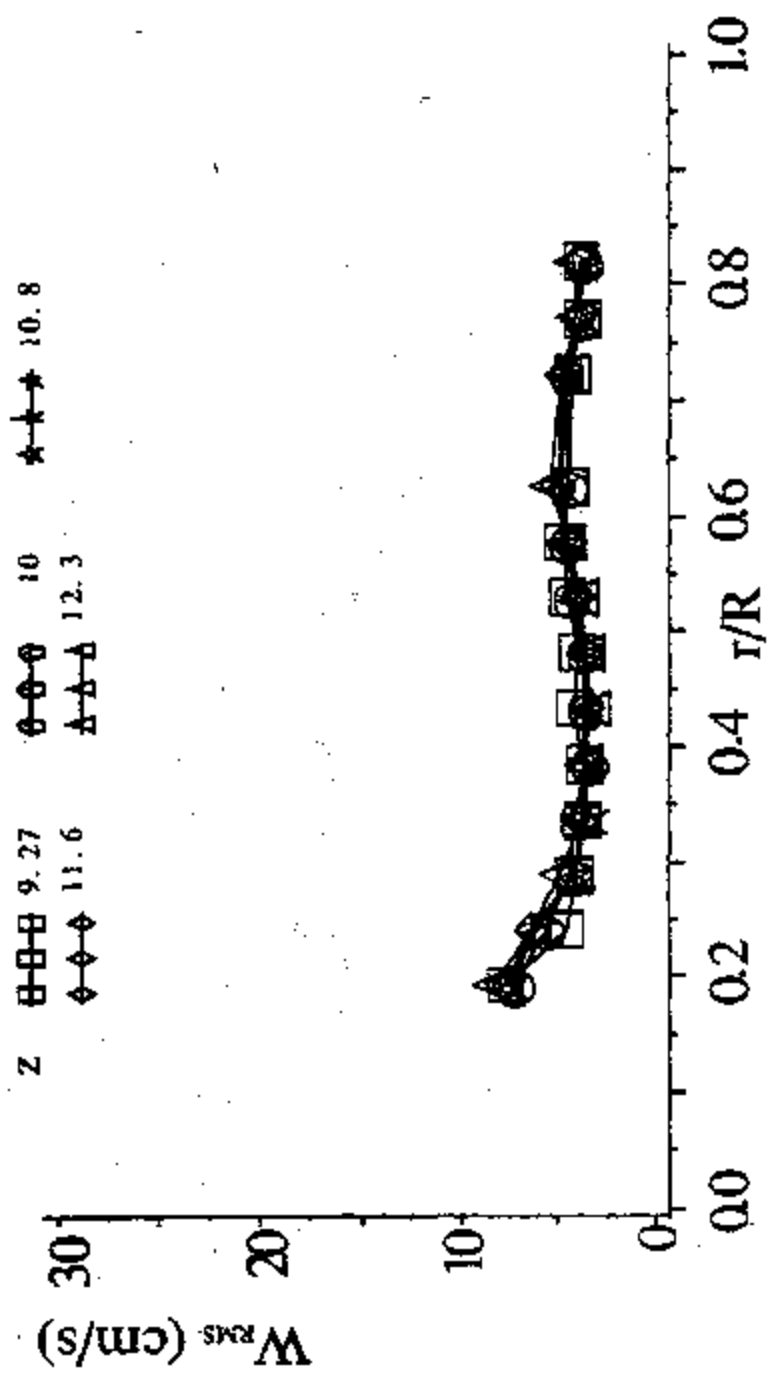


Figure 3.6.7 RMS vertical liquid velocity measurements in the third quarter of the bubble column.

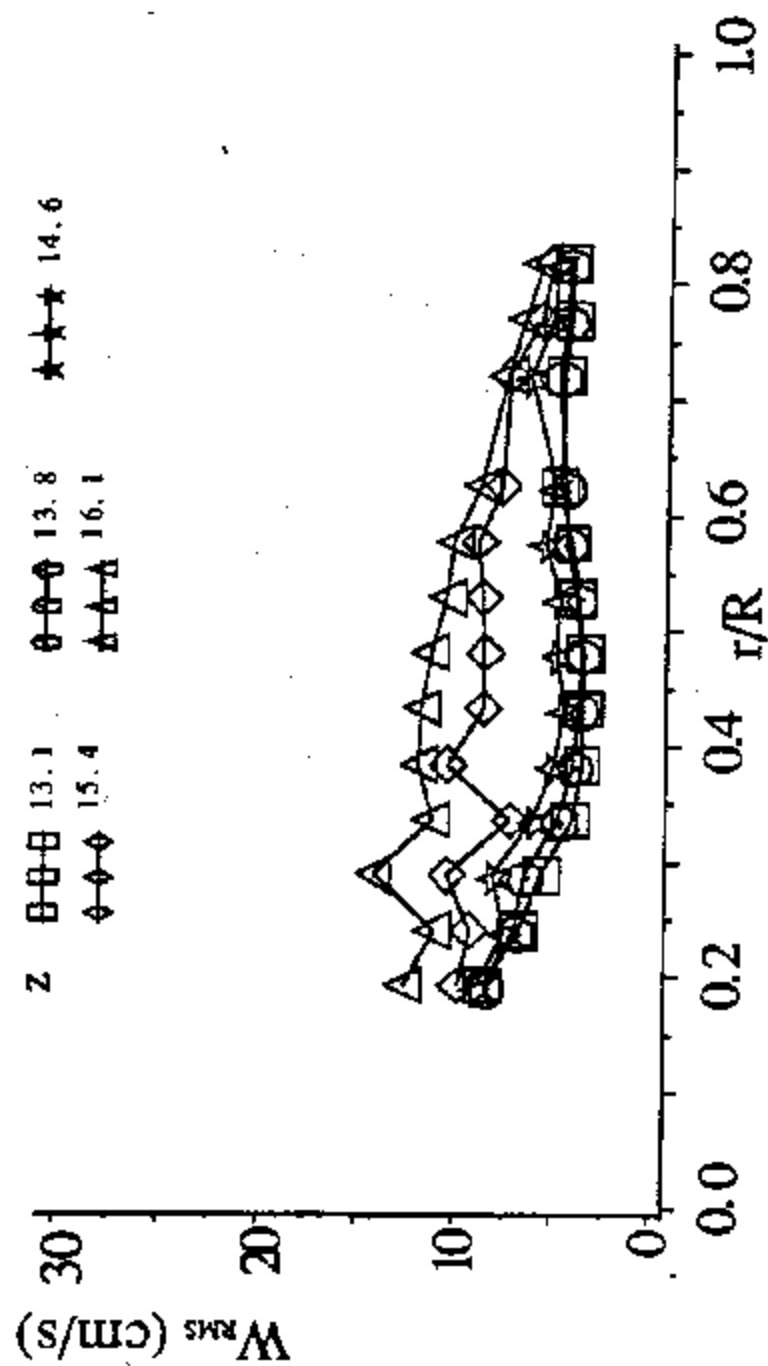


Figure 3.6.8 RMS vertical liquid velocity measurements in the top quarter of the bubble column.

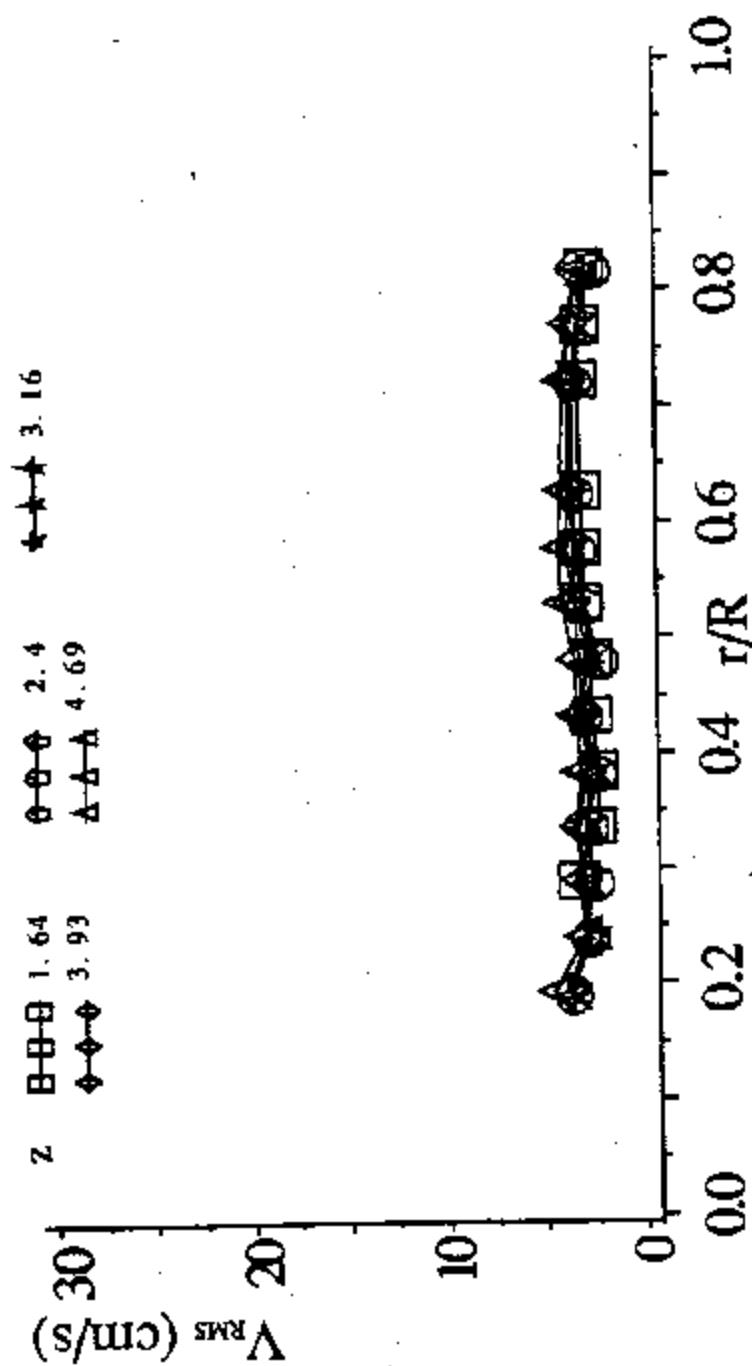


Figure 3.6.9 RMS circumferential liquid velocity measurements in the bottom quarter of the bubble column.

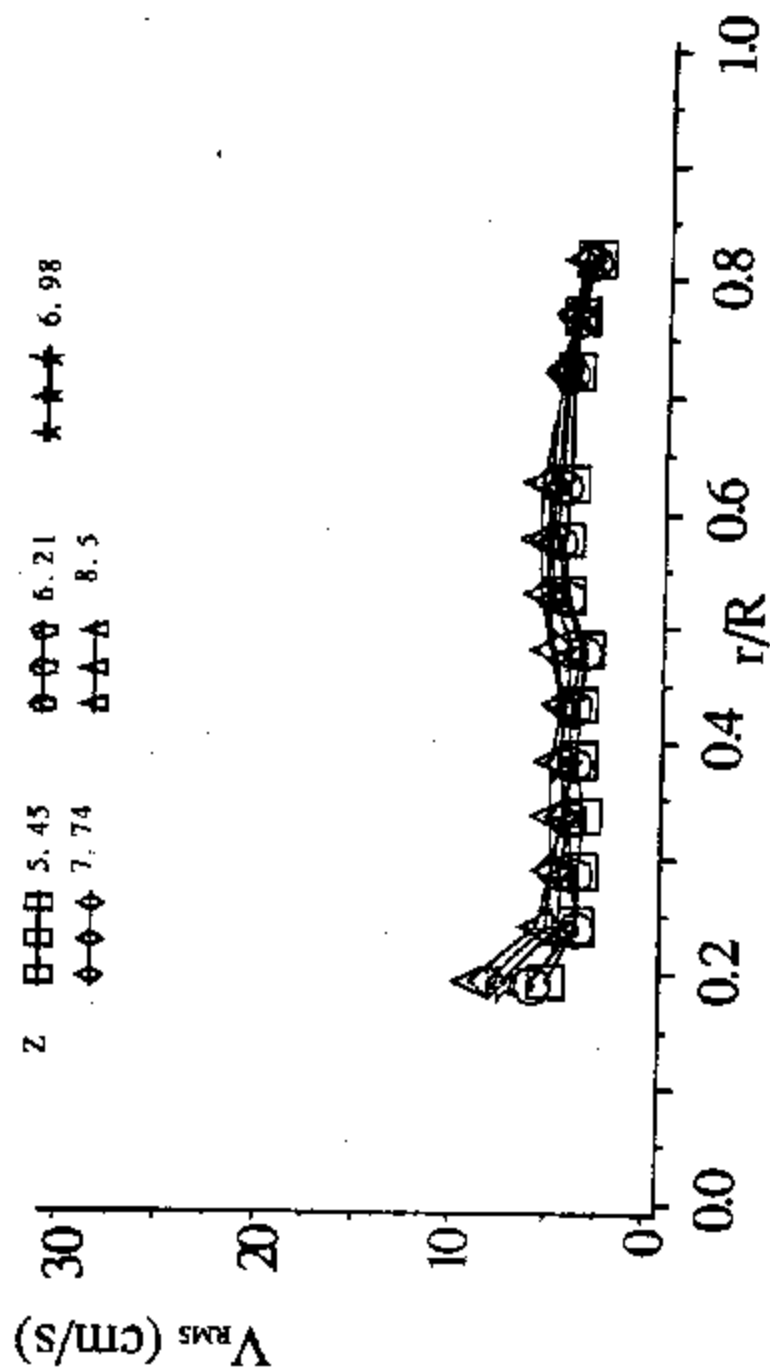


Figure 3.6.10 RMS circumferential liquid velocity measurements in the second quarter of the bubble column.

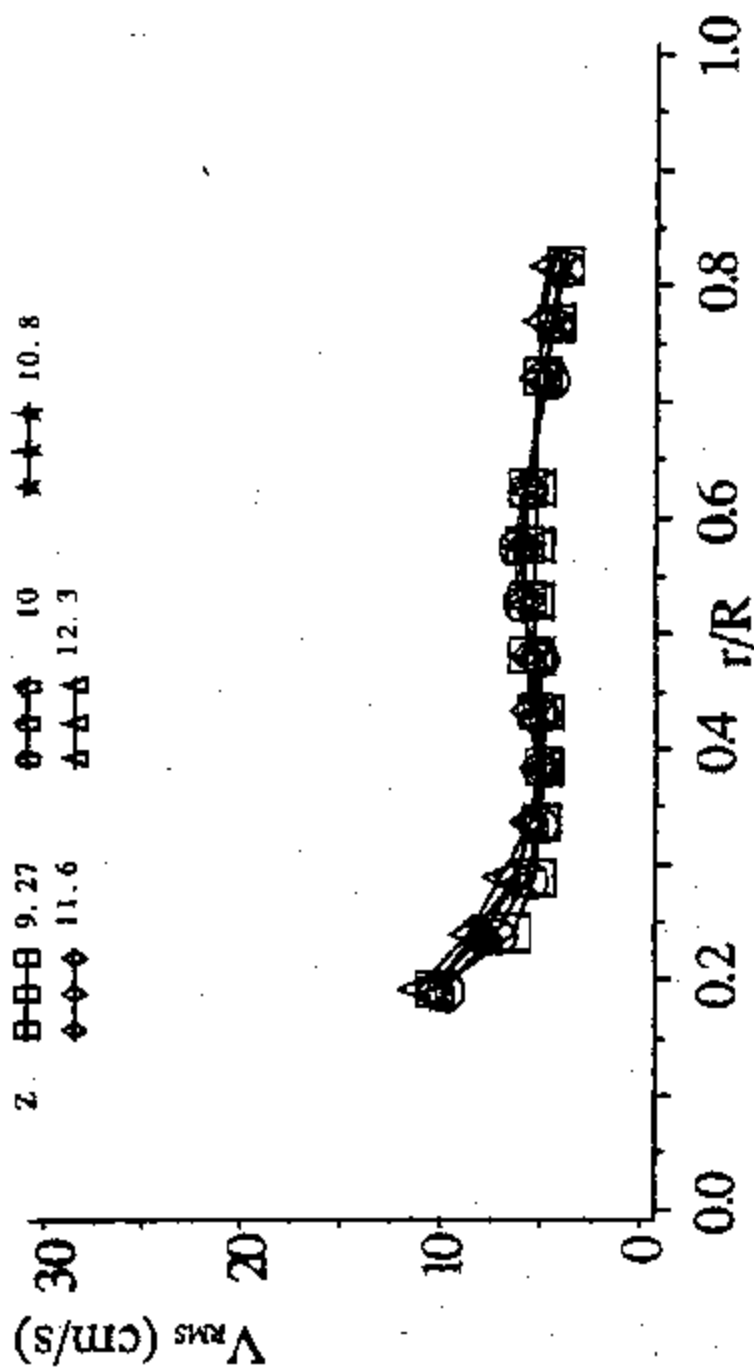


Figure 3.6.11 RMS circumferential liquid velocity measurements in the third quarter of the bubble column.

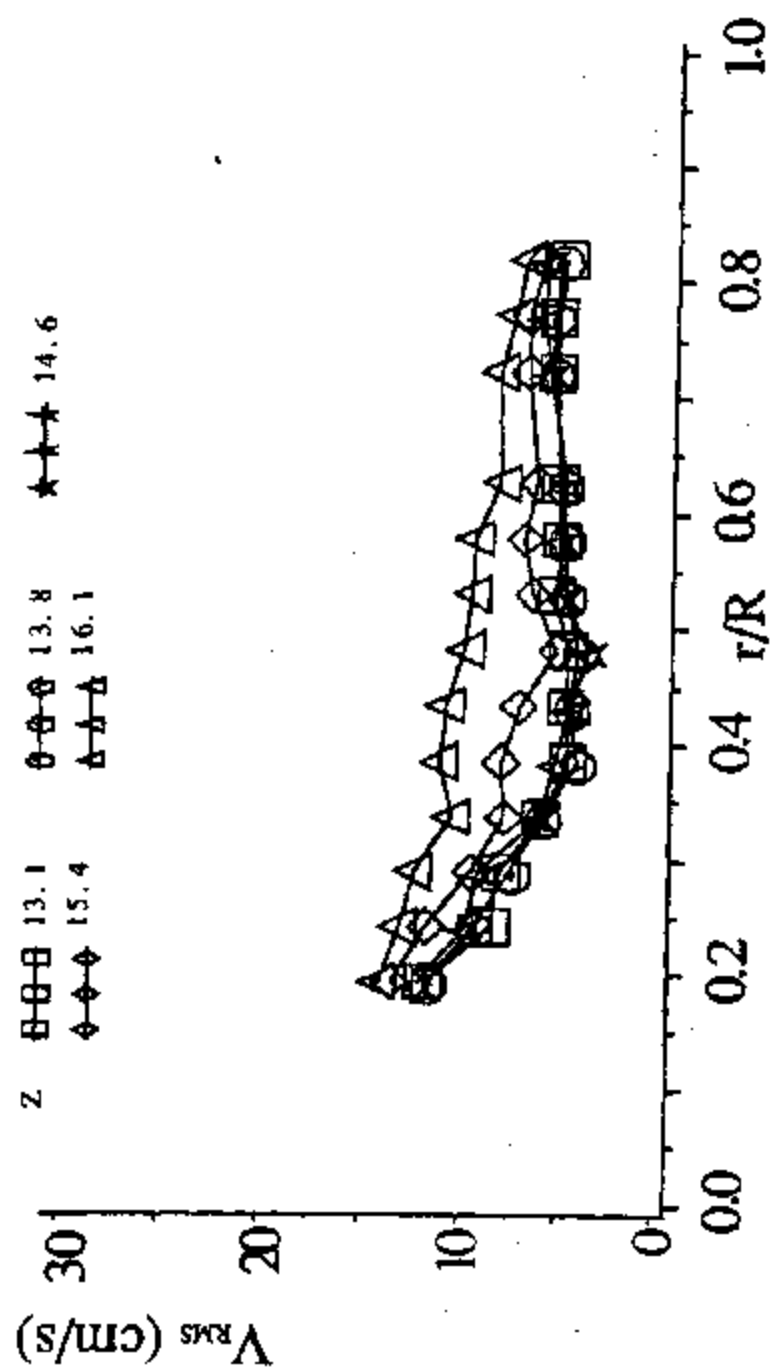


Figure 3.6.12 RMS circumferential liquid velocity measurements in the top quarter of the bubble column.

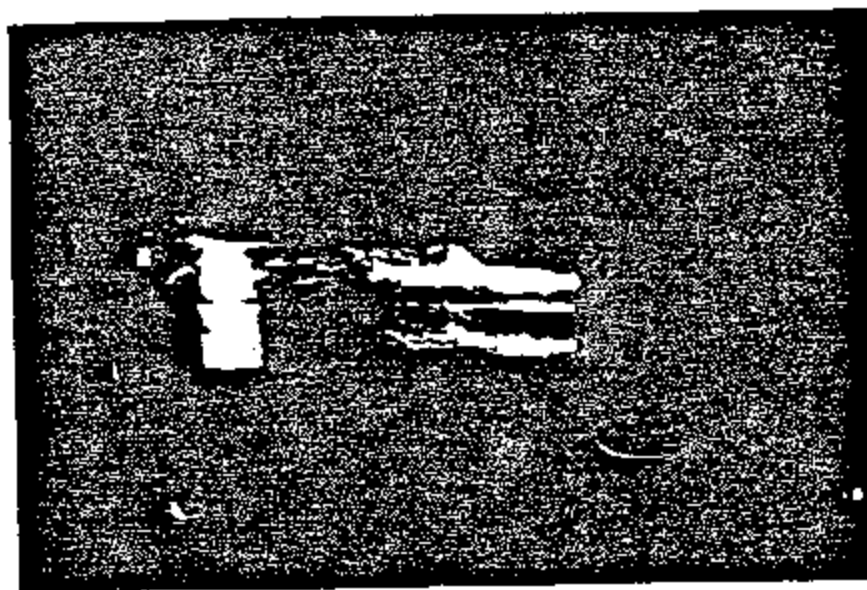


Figure 3.7.1 Flow visualization along the major diameter of the bubble column.

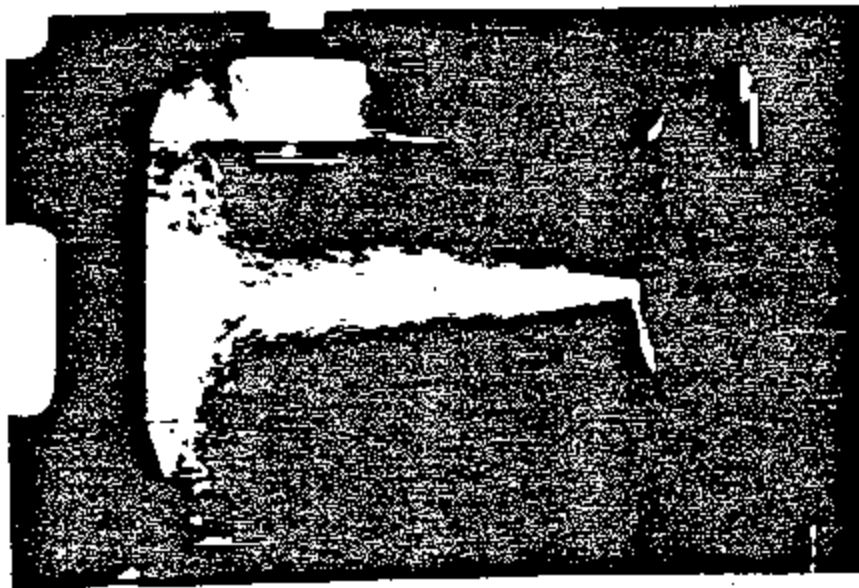


Figure 3.7.2 Flow visualization along the minor diameter of the bubble column.

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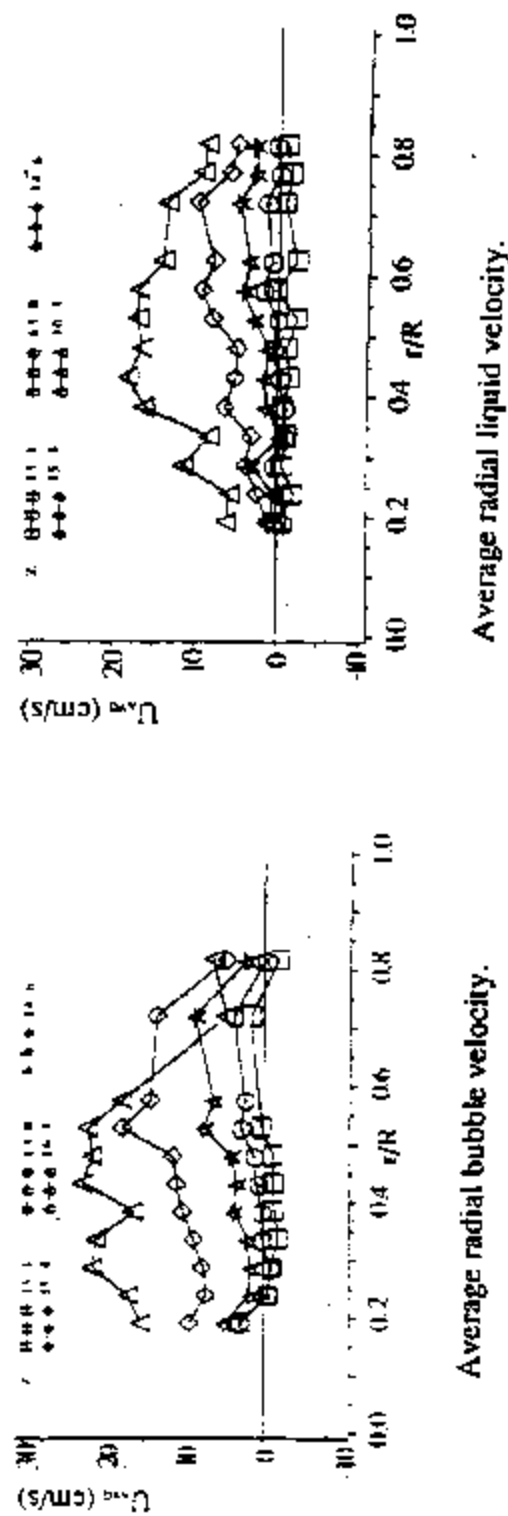
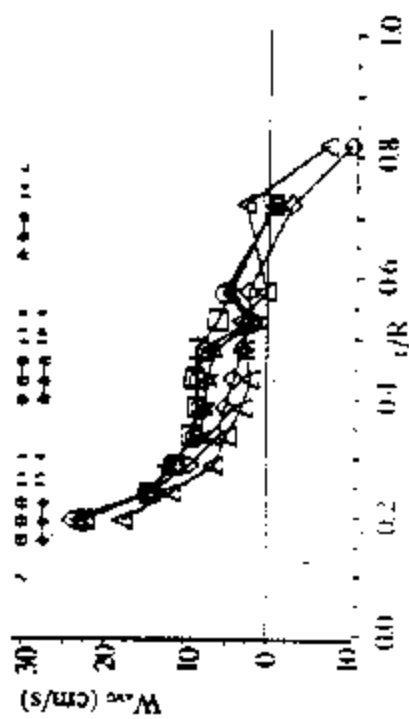
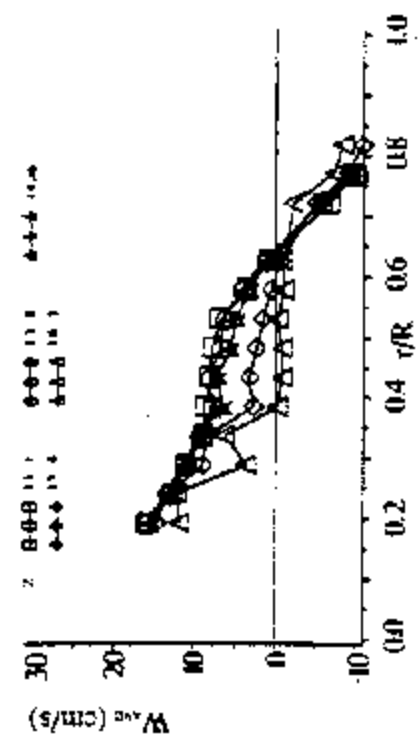


Figure J.7.3 Comparison of radial velocity (bubble/liquid) in top quarter of bubble column.



Average vertical bubble velocity.



Average vertical liquid velocity.

Figure 3.7.4 Comparison of vertical velocity (bubble/liquid) in top quarter of bubble column.