عنوان مقاله:

Numerical Evaluation of Microbubble Behavior: Effect of magneticfield and Bubble shell viscosity

محل انتشار:

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خلاصه مقاله:

Thread bubble growth and its oscillation has been research since the years and got considerable for researchers . Bubbles at different locations in the world can be seen as bubbles in the polymer industry and medicine manufacturing and construction (concreting steps) . What's this attention to the issue of how to control the bubble growth . For example, coarse or fine-grained nature of the polymer will determine how bubble growth and Or the protein that injected into a vein in the Medical If bubble growth not be controlled the created pressure can damage vital tissues (With this in mind that blood has nonlinear viscosity and it is visco-elastic fluid) . To gain control of bubble growth effects of viscosity of bubble shell and Magnetic field together has been studied by solving the equation of herring and its development . in this work Non-linear oscillations of a viscoelastic gas bubble has been studied in affect of viscosity of bubble shell and Magnetic field . In addition, varying amounts of bubble shell viscosity and Magnetic field is considered and studied . And can see , control bubble growth by controlled of bubble shell viscosity and Magnetic field . and can reduce the hazards of uncontrolled bubble growth by this Method

کلمات کلیدی:

Bubble growth, Effect of magneticfield and Bubble shell viscosity , Single bubble dynamics

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