ABSTRACT:

This paper describes mathematicalmodelling of oildroplets and gasbubbles in water. The light sources that are discussed are visible light radiation and infrared radiation. Gasbubbles or oildroplets less than 1 mm diameter are of interest in this investigation. Results show a good agreement between gasbubbles and an oildroplet of radius . The importance of this modelling is that the bubbles approximately describe the characteristics or behavior of oildroplets. This paper shows why a gasbubble is used in this experiment instead of oildroplets.