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[Wifi and health: Perspectives and risks](#)

Increased exposure to electromagnetic fields such as radio frequencies used by Wifi technology raise questions and concerns about their impact on health. For answer these questions, several scientific studies have carried out followed by results publication in prestigious scientific revues. Literature conducted on the effects of non-ionizing radiation and Wifi waves is vast and sometimes controversial. Epidemiological studies and the results of in vitro and in vivo experimental studies have showed the biological effects of electromagnetic field in different frequencies range. These effects caused disorders at the molecular and behavioral level. However, these studies were insufficient to confirm the directly related effects to the cause. Therefore, further research must be done to raise the controversy about the safety of wireless waves.

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[Heat transfer investigation of Non-Newtonian Fluid between two vertically infinite flat plates by numerical and analytical solutions](#)

In natural convection, the fluid motion occurs by natural means such as buoyancy. Heat transfer by natural convection happens in many physical problems and engineering applications such as geothermal systems, heat exchangers, petroleum reservoirs and nuclear waste repositories. These problems and phenomena are modeled by ordinary or partial differential equations. In most cases, experimental solutions cannot be applied to these problems, so these equations should be solved using special techniques. In this paper, natural convection of a non-Newtonian fluid flow between two vertical flat plates is investigated analytically and numerically. Collocation Method (CM) and fourth-order Runge -Kutta numerical method (NUM) are used to solve the present problem. These methods are powerful and convenient algorithms in finding the solutions for the equations. While these are capable of reducing the size of calculations. In order to compare with exact solution, velocity and temperature profiles are shown graphically. The obtained results are valid with significant accuracy.
