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Solution of the homogeneous electromagnetic wave equation with velocity time depending on the discrete space-time JULIO CAMPOS-GARCIA, Departamento de Ciencias de la Salud, Unidad Cajeme, Universidad de Sonora, MARTIN MOLINAR-TABARES, Organismo de Cuenca Noroeste, Comisión Nacional del Agua, LAMBERTO CASTRO-ARCE, Departamento de Física e Ingeniería, Unidad Regional Sur, Universidad de Sonora, CARLOS FIGUEROA-NAVARRO, Departamento de Ingeniería Industrial, Unidad Regional Centro, Universidad de Sonora, RODRIGO ROSAS-BURGOS, Departamento de Física, Unidad Regional Centro, Universidad de Sonora — We present in this meeting the solution of the homogeneous electromagnetic wave equation with a speed of light time depending on the discrete space-time. The solutions are compared with those that are obtained for a standard case, where the speed of light is constant. In addition, the limiting cases of the discrete and continuum space-time are analyzed.

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