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ON QUADRUPLES OF GRIFFITHS POINTS

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J. Tabov [1] has proved the following theorem: if points A_1, A_2, A_3, A_4 are on a circle and a line l passes through the centre of the circle, then four Griffiths points G_1, G_2, G_3, G_4 corresponding to pairs (Δ_i, l) are on a line (Δ_i denotes the triangle $A_j A_k A_l$, $j,k,l \neq i$). In this paper we present a strong generalisation of the result of Tabov. An analogous property for four arbitrary points A_1, A_2, A_3, A_4, is proved, with the help of the computer program "Mathematica".

References:
1. J. Tabov, Four Collinear Griffiths Points, Math. Mag. 68 (1995) 61-64
2. K. Witczyński, On Collinear Griffiths Points, J. of Geom. 74 (2002) 157-159