Project 1 FYS4150

Kjetil Karlsen and Vilde Mari Reinertsen

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Abstract

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$$\mathbf{w}_i = \mathbf{U}\mathbf{v}_i \tag{1}$$
$$\mathbf{w}_i^T \mathbf{w}_j = (\mathbf{U}\mathbf{v}_i)^T \mathbf{U}\mathbf{v}_j \tag{2}$$
$$= \mathbf{v}_i^T \mathbf{U}^T \mathbf{U}\mathbf{v}_j \tag{3}$$
$$= \mathbf{v}_i^T \mathbf{v}_j = \delta_{ij} \tag{4}$$

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3 Method

4 Result

5 Discussion

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