|
$$||x||_{w} = \int_{i=1}^{\infty} w_{i}^{2} u_{i}^{2} = \int_{neom}^{\infty} w_{i} def \text{ ness a neom} \text{ (weighted norm)}$$

| $||x||_{w} = ||w||| \text{ (Converting to equivalent } \text{ Euclidean Norm)}$

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| $||x||_{w} = ||w||| \text{ (By free of Euclidean norm)}$

| $||x||_{w} = ||x|| ||x||_{w}$

| $||x||_{w} = ||x||_{w} ||x||_{w}$

| $||x||_{w} = ||w||_{w} ||w||_{w} ||w||_{w} ||w||_{w}$

| $||x||_{w} = ||w||_{w} ||w||_{w} ||w||_{w} ||w||_{w}$

111) Non regativity?

1111 | Non regativity?

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.. Il n+4/1 w & 1/1 1/w + 4 y/1 w holds

iv) Definite ness $\|\alpha\|_{w} = 0 \Rightarrow \|Wn\| = 0 \Rightarrow Wx = 0$ $| \begin{array}{c} \left(\begin{array}{c} w_{1} \, w_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{2} \, u_{2} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1} \\ \end{array} \right) \\ \left(\begin{array}{c} w_{1} \, u_{1}$ => 2 = 0_n .. ||n||w=0 => n=0, holds So II. II defines a norm