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	id	id8321176635256532914	**id**	id924682512567320956		
	abstract	This article studies the classical Sobolev norm on the subspace of radially symmetric functions. An equivalent norm is presented and an isomorphism between the radial subspace and a weighted Sobolev space is established for all non-negative integer orders in all space dimensions.	**abstract**	This article studies the classical Sobolev norm on the subspace of radially symmetric functions. An equivalent norm is presented and an isomorphism between the radial subspace and a weighted Sobolev space is established for all non-negative integer orders in all space dimensions.		
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